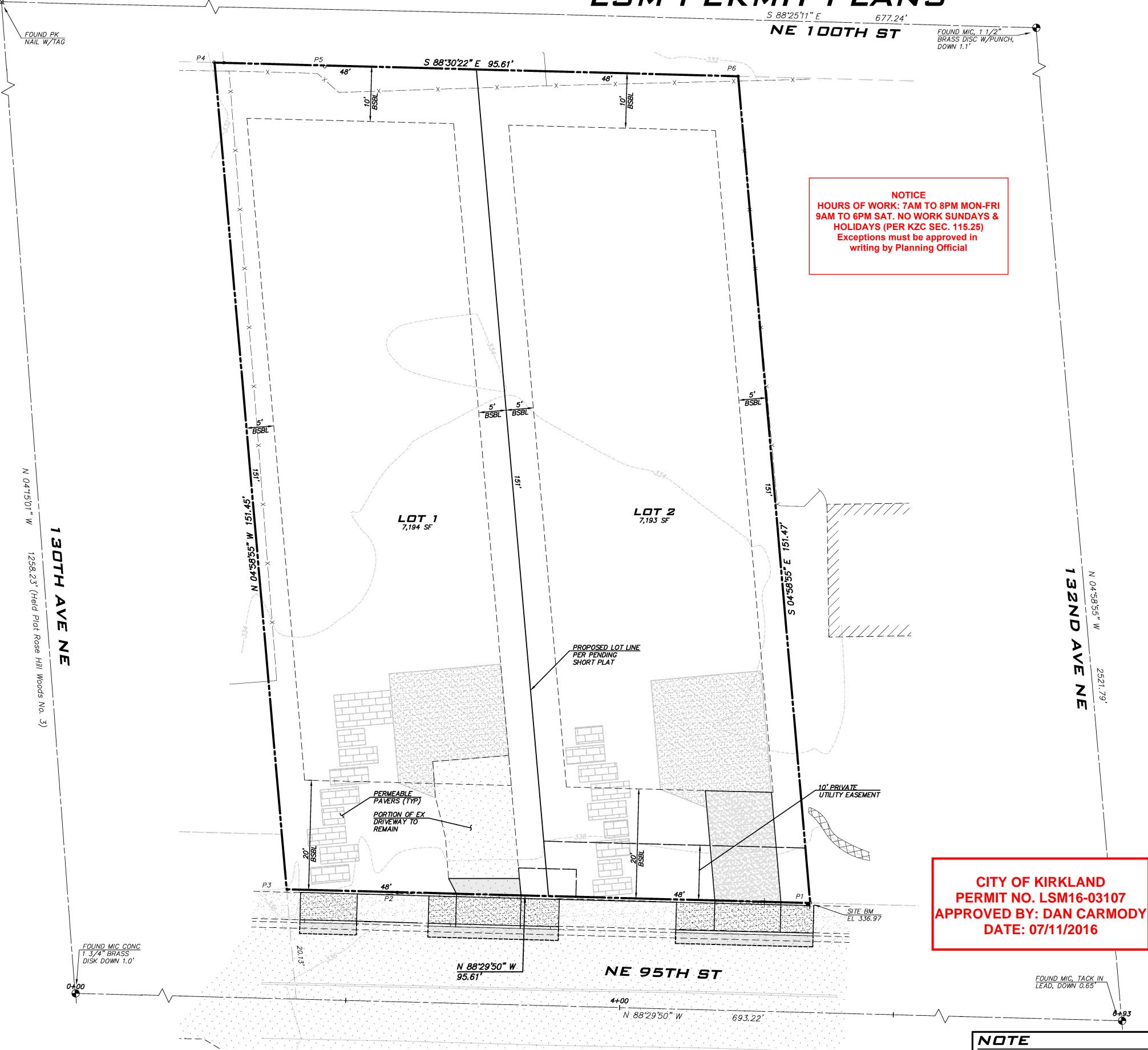
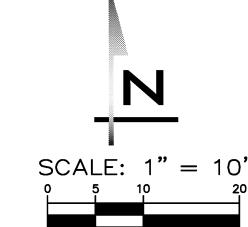
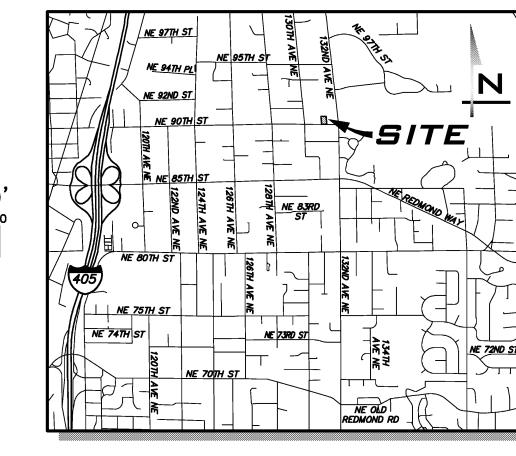
13040 NE 1/4, SEC 4, TWP 25N, RGE 5E, W.M. 13040 NE 95TH ST LSM PERMIT PLANS



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PROJECT TEAM VICINITY MAP SCALE: 1" = 500'

THE BLUELINE GROUP

SURVEYOR

14407 63RD DRIVE SE

SNOHOMISH, WA 98082 (425) 359-7198 CONTACT: BRENT EBLE, PLS

25 CENTRAL WAY, SUITE 400 KIRKLAND, WA 98033 (425) 216-4051 CONTACT: BRETT K. PUDISTS, PE

EMERALD LAND SURVEYING, INC

OWNER/APPLICANT CIVIL ENGINEER

4014 AURORA AVE N. SUITE B SEATTLE, WA 98103 206 362-7695 CONTACT: DARIN GRANGER

ARCHITECT MEDICI ARCHITECTS 11661 SE 1ST ST, SUITE 200 BELLEVUE, WA 98005 (425) 453-9298 CONTACT: SCHUYLER TUTT, AIA

SITE DATA

TAX ACCOUNT NUMBER: GROSS SITE AREA: MIN LOT SIZE ALLOWED: PROPOSED USE: SETBACKS: MAX BUILDING HEIGHT: MAX LOT COVERAGE:

14,389 SF / 0.330 AC 7,200 SF/UNIT SINGLE FAMILY FRONT 20', REAR 10', SIDE 5' 50% CITY OF KIRKLAND

CITY OF KIRKLAND LEGAL DESCRIPTION

THE EAST 75 FEET OF THE WEST 95 FEET OF THE EAST 320 FEET OF LOT 33, KIRKLAND ACRE TRACTS,

ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 13 OF PLATS, PAGE 44, RECORDS OF KING

THE WEST 20 FEET OF THE EAST 320 FEET OF LOT 33, KIRKLAND ACRE TRACTS, ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 13 OF PLATS, PAGE 44, RECORDS OF KING COUNTY, WASHINGTON.

APN: 388810-0175 PROPERTY CORNERS

P1 FOUND REBAR & CAP, LS 21559, 0.01' E & 0.05' N

P2 FOUND REBAR & CAP, LS 29537, 0.04' E & 0.05' S

P3 FOUND REBAR & CAP, LS 29537, 0.12' E & 0.05' S

P4 FOUND REBAR & CAP. LS 29537. 0.10' E & 0.06' N FOUND REBAR & CAP, LS TRIAD, 1.70' E & 0.03' N

P5 FOUND REBAR & CAP, LS 29537, 0.02' W & 0.24' S

P6 FOUND REBAR & CAP, LS 29537, 0.02' W & 0.01'S

SURVEY NOTES

INSTRUMENT USED: SOKKIA SET 5 EDM METHOD USED: FIELD TRAVERSE

APPROXIMATE POINT ACCURACY: ±0.05'

SURVEY MEETS OR EXCEEDS STATE STANDARDS PER WAC 332-130-090.

MONUMENTS SHOWN HEREON WERE VISITED ON OCTOBER 7, 2015.

THE INFORMATION SHOWN ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE

NO EASEMENTS, RESTRICTIONS OR RESERVATION OF RECORD WHICH WOULD BE DISCLOSED BY A TITLE REPORT ARE SHOWN. VERTICAL DATUM - NAVD 88

BENCH MARK: POINT NAME: 110: 1 1/2" BRASS DISK STAMPED 30427 IN 4"X4" CONC. MIC, DOWN 0.4'.

SHEET INDEX

DT-01 DETAILS

DT-02 DETAILS

CV-01 COVER SHEET AND SITE PLAN TP-01 DEMO AND TESC PLAN TD-01 TESC NOTES & DETAILS RS-01 ROAD & STORM DRAINAGE PLAN SW-01 SANITARY SEWER & WATER PLAN TR-01 TREE RETENTION PLAN GN-01 GENERAL NOTES

> RELATED PERMITS SUB16-00251

UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

LSM16-03107

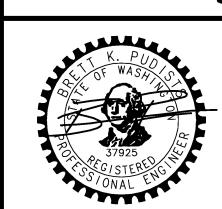


AS NOTED PROJECT MANAGER:

BRETT K. PUDISTS, PE PROJECT ENGINEER: BRETT K. PUDISTS, PE

DESIGNER: NADIA KROUMOVA ISSUE DATE:

6/9/2016

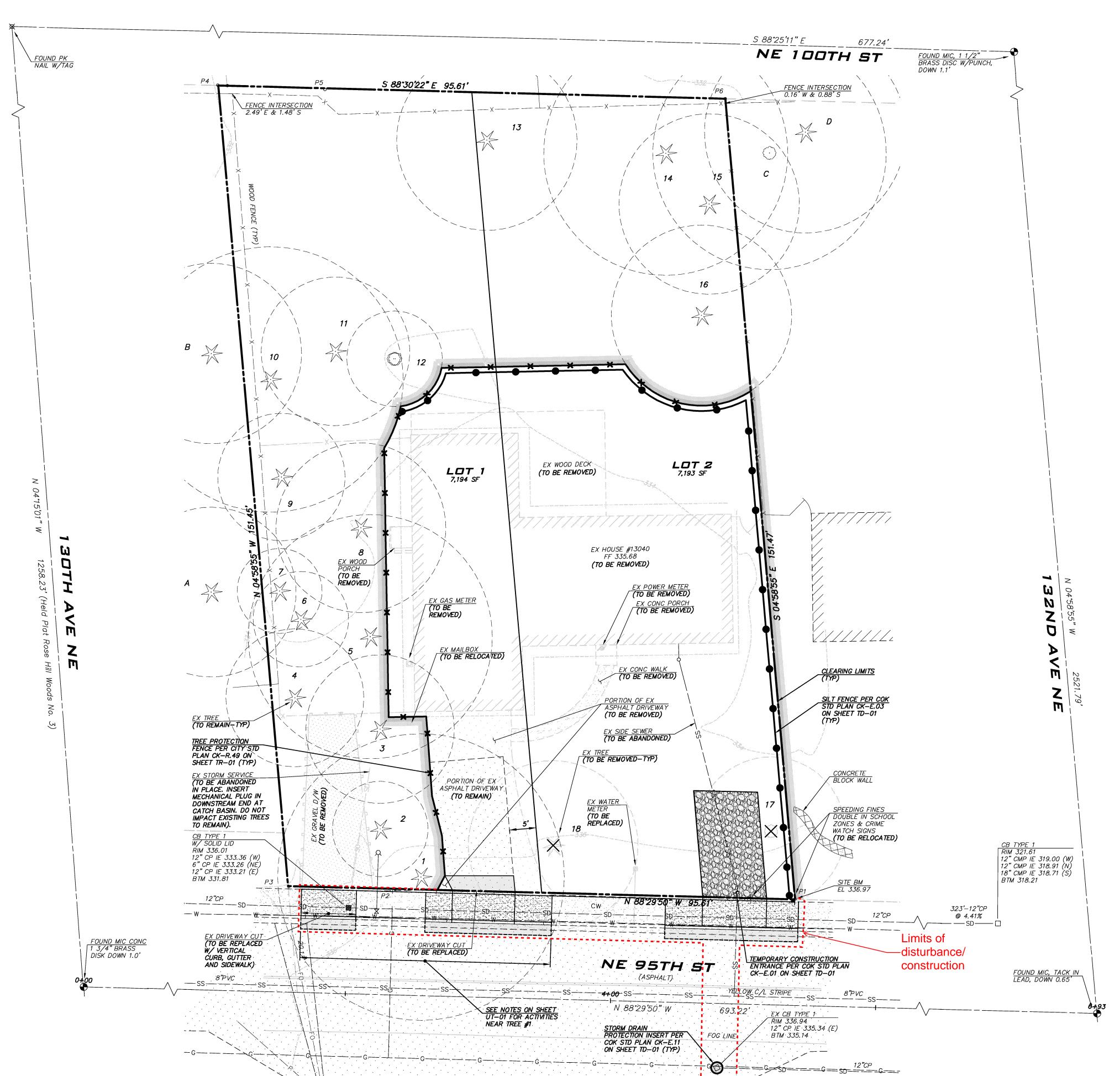


6/9/16

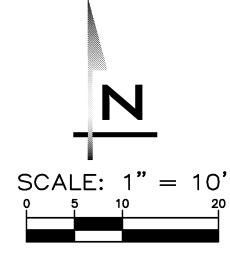
15-262

CV-D 1

HOURS OF WORK: 7AM TO 8PM MON-FRI. 9AM TO 6PM SAT. NO WORK SUNDAYS AND HOLIDAYS (PER KZC SEC. 115.25). EXCEPTIONS MUST BE APPROVED IN WRITING BY PLANNING OFFICIAL.



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NO DATE BY REVISIONS

1 6/8/16 MEN REVISO PER CITY COMMENTS

BLUELINE

PROJECT MANAGER: BRETT K. PUDISTS, PE

PROJECT ENGINEER: BRETT K. PUDISTS, PE

DESIGNER: NADIA KROUMOVA ISSUE DATE:

CITY OF KIRKLAND
PERMIT NO. LSM16-03107
APPROVED BY: DAN CARMODY
DATE: 07/11/2016

DEMO NOTE

UNLESS OTHERWISE NOTED, EXISTING ONSITE BUILDINGS AND HARDSCAPE TO BE REMOVED. SEPARATE DEMO PERMIT REQUIRED PRIOR TO REMOVAL.

CLEARING LIMITS

ONSITE AREAS OUTSIDE OF TREE PROTECTION FENCE ARE SUBJECT TO CLEARING UNLESS OTHERWISE NOTED.

TREE NOTES

- INSTALL TREE PROTECTION FENCE AND SIGNAGE AS SHOWN PER CITY STD PLAN CK-R.49 ON SHEET TR-01.
- -WORK TO BE PERFORMED WITHIN THE DRIPLINE OF SAVED TREES SHALL REQUIRE ONSITE CONSULTATION WITH THE ARBORIST PRIOR TO CONSTRUCTION.
- REFER TO ARBORIST REPORT FOR ADDITIONAL DETAILS RELATED TO TREE PROTECTION MEASURES FOR ACTIVITIES WITHIN DRIP LINE OF TREES.
- LOCATION AND SPECIES OF REPLACEMENT TREES, IF REQUIRED, TO BE
 DETERMINED AT BUILDING PERMIT.

UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.



K. PUO WASH S 37925 SS ONAL ENG

6/9/16

JOB NUMBER: 15-262

TP-01

TESC - PLAN NOTES

- 1. THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS: A. CONDUCT PRE-CONSTRUCTION MEETING.
- B. FLAG OR FENCE CLEARING LIMITS. C. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
- D. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
- E. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S). F. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
- G. CONSTRUCT SEDIMENT PONDS AND TRAPS.
- H. GRADE AND STABILIZE CONSTRUCTION ROADS.
- I. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- J. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- K. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE
- EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS.
- L. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING,
- CRUSHED ROCK OR EQUIVALENT.
- M. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS. N. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- O. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE
- MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES,
- THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- A COPY OF THE APPROVED ESC PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT—LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT
- THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY OF KIRKLAND INSPECTOR.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS, ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- 10. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT, AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48
- 12. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 13. ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES:
- MAY 1 TO SEPTEMBER 30 SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING. • OCTOBER 1 TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.
- · STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.
- 14. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
- 15. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF
- 16. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 6' HIGH TEMPORARY
- CONSTRUCTION FENCE (CHAIN LINK WITH PIER BLOCKS) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL THE PLANNING DEPARTMENT AUTHORIZES REMOVAL. 17. CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT. HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND
- SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE. IF APPROVED BY THE CITY, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS. 18. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY
- WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC 19. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A
- PASSING; AND 1"-2" ROCK/10%-20% PASSING. RECYCLED CONCRETE SHALL NOT BE USED FOR CONSTRUCTION ENTRANCE OR TEMPORARY STABILIZATION ELSEWHERE ON THE SITE. 20. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE
- DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
- 21. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. 22. AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED IMMEDIATELY FOLLOWING REMOVAL OF EROSION CONTROL BMPS. THE CLEANING
- OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM. 23. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.
- 24. ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM HEIGHT OF 3'.
- 25. THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF KIRKLAND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.
- 26. PRIOR TO THE OCTOBER 1 OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE
- 27. ANY AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT (INCLUDING A 5-FOOT BUFFER) MUST BE SURROUNDED BY SILT FENCE PRIOR TO CONSTRUCTION AND UNTIL FINAL STABILIZATION OF THE SITE TO PREVENT SOIL COMPACTION AND SILTATION BY CONSTRUCTION ACTIVITIES.
- 28. IF THE TEMPORARY CONSTRUCTION ENTRANCE OR ANY OTHER AREA WITH HEAVY VEHICLE LOADING IS LOCATED IN THE SAME AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT, 6" OF SEDIMENT BELOW THE GRAVEL SHALL BE REMOVED PRIOR TO INSTALLATION OF THE INFILTRATION FACILITY OR PERVIOUS PAVEMENT (TO REMOVE FINES ACCUMULATED DURING
- 29. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE ADEQUATE PROTECTION FROM SEDIMENT. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "STORM DRAIN" PROTECTION INSERT"
- 30. IF A SEDIMENT POND IS NOT PROPOSED, A BAKER TANK OR OTHER TEMPORARY GROUND AND/OR SURFACE WATER STORAGE TANK MAY BE REQUIRED DURING CONSTRUCTION, DEPENDING ON WEATHER CONDITIONS.
- 31. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
- 32. CONSTRUCTION DEWATERING DISCHARGES SHALL ALWAYS MEET WATER QUALITY GUIDELINES LISTED IN COK POLICY E-1. SPECIFICALLY, DISCHARGES TO THE PUBLIC STORMWATER DRAINAGE SYSTEM MUST BE BELOW 25NTU, AND NOT CONSIDERED A PROHIBITED DISCHARGE (PER KMC 15.52.090). TEMPORARY DISCHARGES TO SANITARY SEWER REQUIRE PRIOR AUTHORIZATION AND PERMIT FROM KING COUNTY INDUSTRIAL WASTE PROGRAM (206-263-3000) AND NOTIFICATION TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR.

WET SEASON CONSTRUCTION

DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) ANY SITE WITH EXPOSED SOILS SHALL BE SUBJECT TO THE "WET SEASON REQUIREMENTS" LISTED BELOW. IN ADDITION TO THE ESC COVER MEASURES, THESE PROVISIONS INCLUDE COVERING ANY NEWLY—SEEDED AREAS WITH MULCH AND SEEDING AS MUCH DISTURBED AREA AS POSSIBLE DURING THE FIRST WEEK OF OCTOBER TO PROVIDE GRASS COVER FOR THE WET SEASON. OTHER ESC MEASURES SUCH AS BAKER TANKS AND PORTABLE SAND FILTERS MAY BE REQUIRED FOR USE DURING THE WET SEASON. A SEPARATE "WET SEASON" ESC PLAN SHALL BE SUBMITTED AND APPROVED BY THE CITY BEFORE CONTINUING WORK ON ANY SITE DURING THE WET SEASON.

- WET SEASON REQUIREMENTS THE ALLOWED TIME THAT A DISTURBED AREA MAY REMAIN UNWORKED WITHOUT COVER MEASURES IS REDUCED TO TWO CONSECUTIVE WORKING
- DAYS, RATHER THAN SEVEN. STOCKPILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF
- UNWORKED FOR MORE THAN 12 HOURS. COVER MATERIALS SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE
- STOCKPILED ON SITE ALL AREAS THAT ARE TO BE UNWORKED DURING THE WET SEASON SHALL
- BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. MULCH IS REQUIRED TO PROTECT ALL SEEDED AREAS.
- FIFTY LINEAR FEET OF SILT FENCE (AND THE NECESSARY STAKES) PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE.
- CONSTRUCTION ROAD AND PARKING LOT STABILIZATION ARE REQUIRED FOR ALL SITES UNLESS THE SITE IS UNDERLAIN BY COARSE-GRAINED SOIL.
- SEDIMENT RETENTION IS REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW.
- SURFACE WATER CONTROLS ARE REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW. PHASING AND MORE CONSERVATIVE BMPS MUST BE EVALUATED FOR

CONSTRUCTION ACTIVITY NEAR SURFACE WATERS.

ANY RUNOFF GENERATED BY DEWATERING MAY BE REQUIRED TO DISCHARGE TO THE SANITARY SEWER (WITH APPROPRIATE DISCHARGE AUTHORIZATION), PORTABLE SAND FILTER SYSTEMS, OR HOLDING TANKS.

LEGEND

PROPOSED FEATURES

GRADING AND TESC FEATURES

PROPOSED STORM DRAINAGE

PROPOSED SANITARY SEWER AND WATER

ADJACENT PLAT/PARCEL LINE

ADJACENT RIGHT-OF-WAY

EXISTING FEATURES

MAILBOX

SIDEWALK

GRA VEL

ROCK ENTRANCE

DISTURBANCE

CULVERT END

• STORM CLEANOUT

⋈ *GATE VALVE*

-O- POWER POLE

P POWER VAULT

№ POWER METER

O GAS METER

GAS VALVE

TO BE SAVED

DECIDUOUS IKI

ASPHALT

CONCRETE

- CONIFEROUS TREE

DECIDUOUS TREE

CONIFEROUS TREE

DECIDUOUS TREE

□ MAIL BOX

YARD DRAIN

B WATER METER

✓ PIPE FLOW

CATCH BASIN INSERT

ASPHALT PAVEMENT

BOUNDARY

_____ -----Building Roofline

— — — — — BUILDING SETBACK (BSBL)

---- *SAWCUT*

FILTER FENCE

FILL RETAINING WALL

---- BLOCK WALL DRAIN

---- ROOF & FOOTING DRAIN

CLEARED AREA

-FLOW & CURB

BUILDING FOOTPRINT

—240——— 10' PROPOSED CONTOURS 🔀

--- CONSTRUCTION FENCE

LIMITS OF CLEARING

- STORM DRAIN PIPE

CATCH BASIN, TYPE I

- SEWER SERVICE

SEWER CLEANOUT

- CENTERLINE

- 10' CONTOURS

☐ CATCH BASIN, TYPE I

(CATCH BASIN, TYPE II

SEWER MANHOLE

SD PIPE FLOW

 \triangleleft SS PIPE FLOW

₩ATER METER

2' CONTOURS

----- EASEMENT

~__/_/_/__BUILDING FOOTPRINT

—————SS— **SEWER MAIN**

— — — — — BOARD FENCE

RETAINING WALL

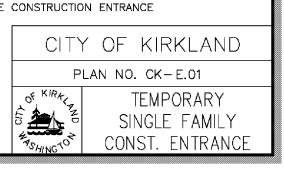
—————G— GAS MAIN

-242---- 2' PROPOSED CONTOURS

12. THE FREQUENCY OF MAINTENANCE REVIEW INCREASES FROM MONTHLY TO

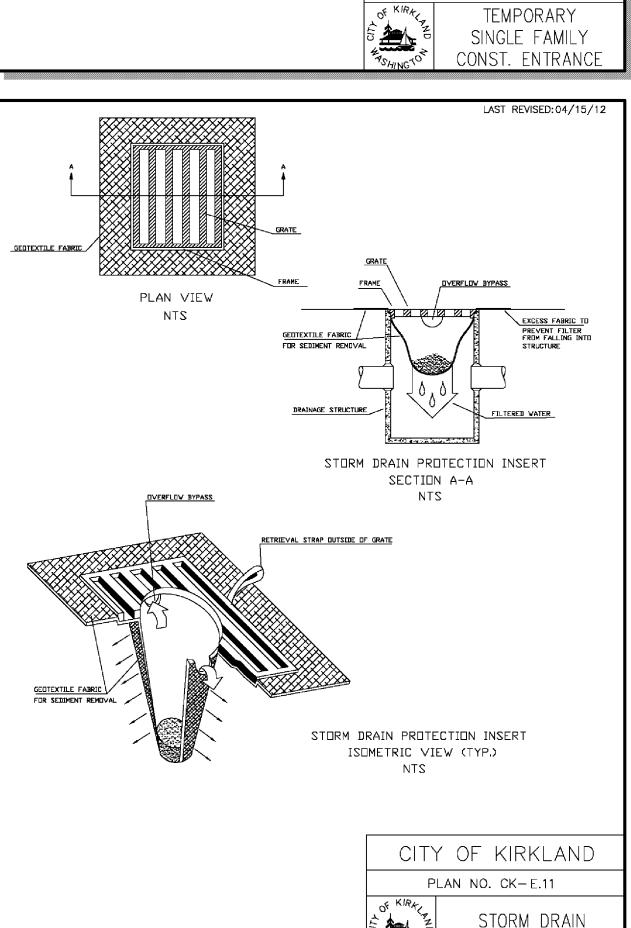
LAST REVISED: 1/15/14 ऩ<u>╙</u>╦╙╦╙ GEOTEXTILE TEMPORARY CULVERT DRIVEWAY RAMP OR 50' MINIMUM OR TO GARAGE WHICHEVER IS SHORTER **EXISTING** 24' MINIMUM GROUND GEOTEXTILE BENEATH QUARRY SPALLS 4" TO 6" QUARRY SPALLS-25' RADIUS SINGLE FAMILY 1. PAD SHALL BE REMOVED AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY THE CITY CLEARING AND GRADING INSPECTOR. 2. PAD SHALL BE INSTALLED IN PLANTING STRIP AS APPROPRIATE. 3. PAD THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE AND/OR PER THE DIRECTION OF THE CITY CLEARING AND GRADING INSPECTOR. 4. CONTRACTOR RESPONSIBLE FOR CURB & GUTTER CONDITION. 5. RECYCLED CONCRETE SHALL NOT BE USED FOR THE CONSTRUCTION ENTRANCE

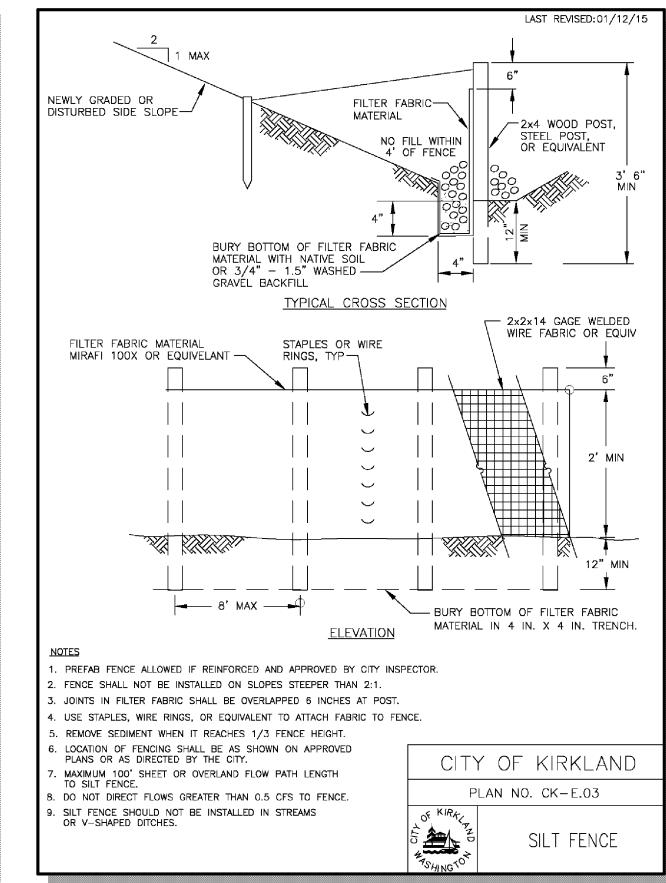
DUE TO HIGH LEVELS OF PH.

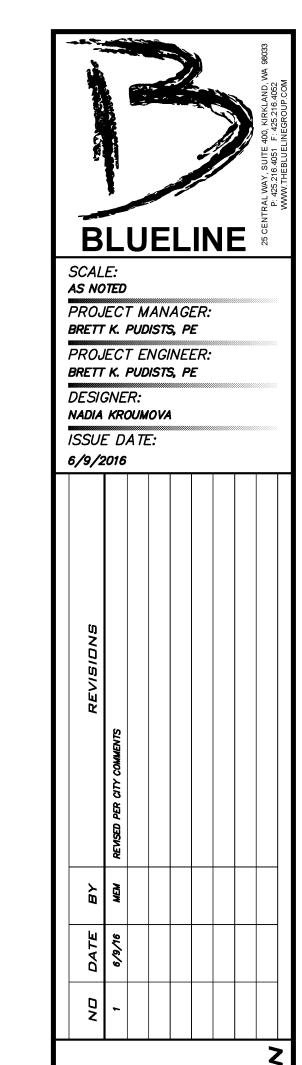




PROTECTION INSERT







UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

CITY OF KIRKLAND

PERMIT NO. LSM16-03107

APPROVED BY: DAN CARMODY

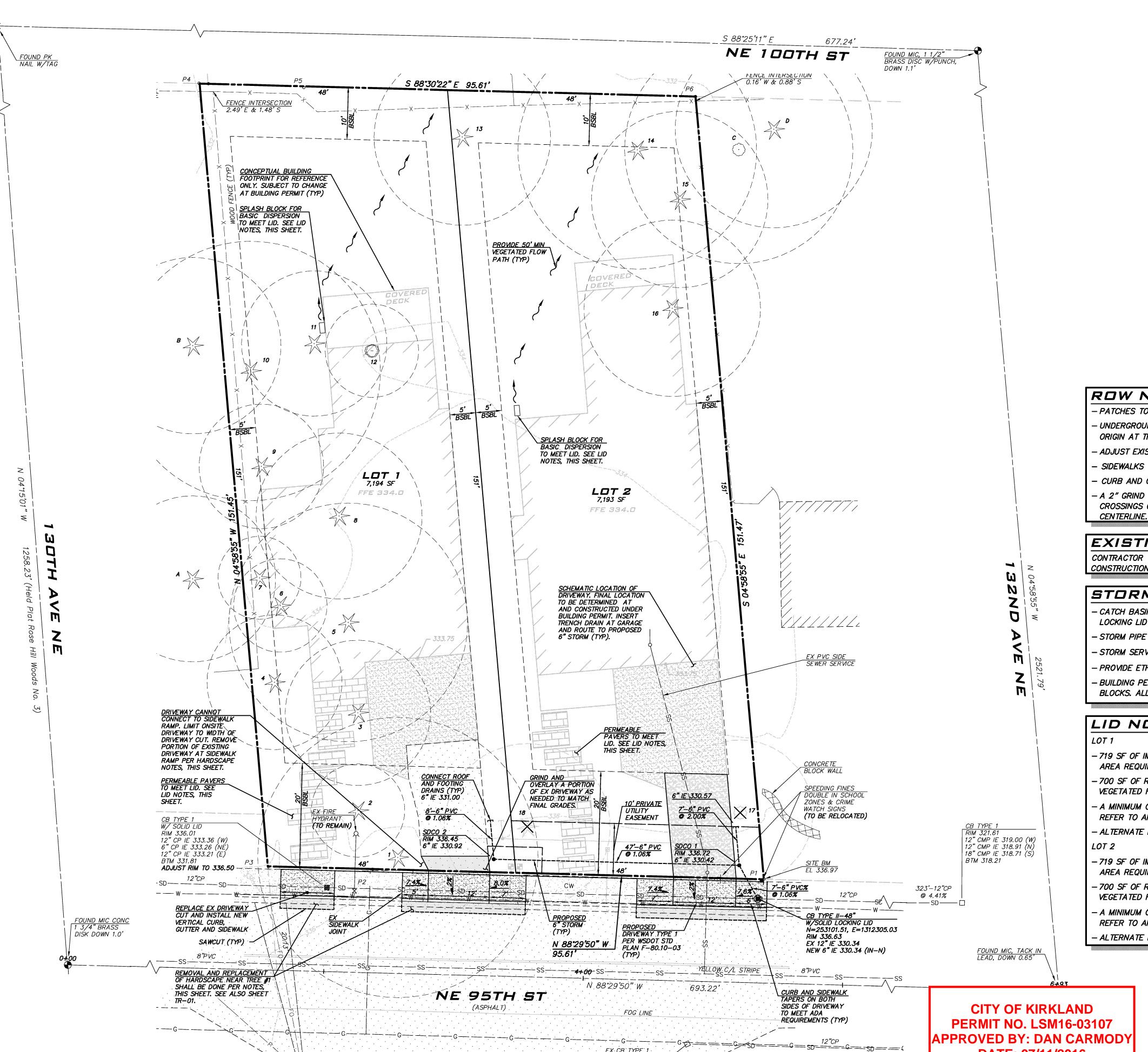
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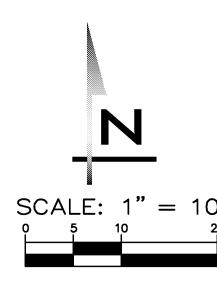
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SHEET NAME: TD-0 1

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HARDSCAPE NEAR TREE #1

- CONTRACTOR TO COORDINATE WITH ARBORIST ONSITE WHILE REMOVING! INSTALLING HARDSCAPE NEAR TREE #1.
- SAWCUT EXISTING HARDSCAPE IN SECTIONS AND REMOVE BY HAND BEING CAREFUL NOT TO DISTURB ROOTS.
- INSTALLATION OF NEW HARDSCAPE MAY REQUIRE PLACEMENT OF SAND OR OTHER PROTECTIVE LAYER ON ROOTS THAT MAY BE EXPOSED AS DIRECTED BY THE ARBORIST.

ROW NOTES

- PATCHES TO ROADWAY SHALL BE PER CITY STD PLAN CK-R.12.
- UNDERGROUND NEW AND EXISTING ONSITE LINES FROM THE EXISTING BUILDING TO THE POINT OF ORIGIN AT THE PRIMARY/DISTRIBUTION LINES FOR THE UTILITIES.
- ADJUST EXISTING UTILITIES WHICH MAY CONFLICT WITH PROPOSED ROW IMPROVEMENTS.
- SIDEWALKS TO BE INSTALLED PER CITY OF KIRKLAND STANDARD DETAIL CK-R.23.
- CURB AND GUTTER TO BE INSTALLED PER CITY OF KIRKLAND STANDARD DETAIL CK-R.17.
- A 2" GRIND AND OVERLAY WILL BE REQUIRED WHERE MORE THAN THREE UTILITY TRENCH CROSSINGS OCCUR WITHIN 150 LF OF STREET LENGTH OR WHERE UTILITIES PARALLEL STREET

EXISTING UTILITIES NOTE

CONTRACTOR TO VERIFY LOCATION AND INVERTS OF EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND COORDINATE WITH ENGINEER IF DISCREPANCIES ARISE.

STORM NOTES

- CATCH BASINS IN R.O.W. TO BE TYPE II WITH PER COK STD PLAN NO. CK—D.09 WITH SOLID LOCKING LID UNLESS OTHERWISE NOTED.
- STORM PIPE TO BE PVC 3034 PER CITY DESIGN NOTES.
- STORM SERVICES TO BE 6" PVC SLOPED NO LESS THAN 1% (2% PREFERRED).
- PROVIDE ETHAFOAM PADS AT PIPE CROSSINGS WHERE VERTICAL CLEARANCE IS LESS THAN 1'.
- BUILDING PERMITS MUST SHOW THE LIMITED 700 SF AREA THAT WILL GO TO THE SPLASH BLOCKS. ALL OTHER AREA MUST BE CONVEYED TO THE STORM SYSTEM IN NE 95TH STREET.

LID NOTES

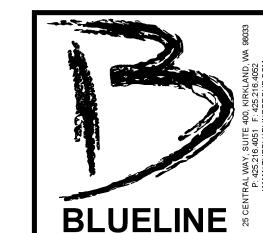
- 719 SF OF IMPERVIOUS SURFACE MUST BE ROUTED TO ONE OR MORE LID BMP'S TO MEET BMP AREA REQUIREMENTS.
- 700 SF OF ROOF AREA TO DRAIN TO SPLASH BLOCK FOR BASIN DISPERSION TO MEET LID. VEGETATED FLOWPATH SEGMENT OF AT LEAST 50 FEET TO BE PROVIDED.
- A MINIMUM OF 20 SF OF PERMEABLE PAVERS (PEDESTRIAN) TO BE PROVIDED TO MEET LID. REFER TO ARCHITECTURAL PLANS.
- ALTERNATE BMPS MAY BE SUBSTITUTED AT BUILDING PERMIT.

DATE: 07/11/2016

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UNDERGROUND UTILITY NOTE

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AS NOTED PROJECT MANAGER: BRETT K. PUDISTS, PE

PROJECT ENGINEER: BRETT K. PUDISTS, PE

DESIGNER: NADIA KROUMOVA ISSUE DATE: 6/9/2016

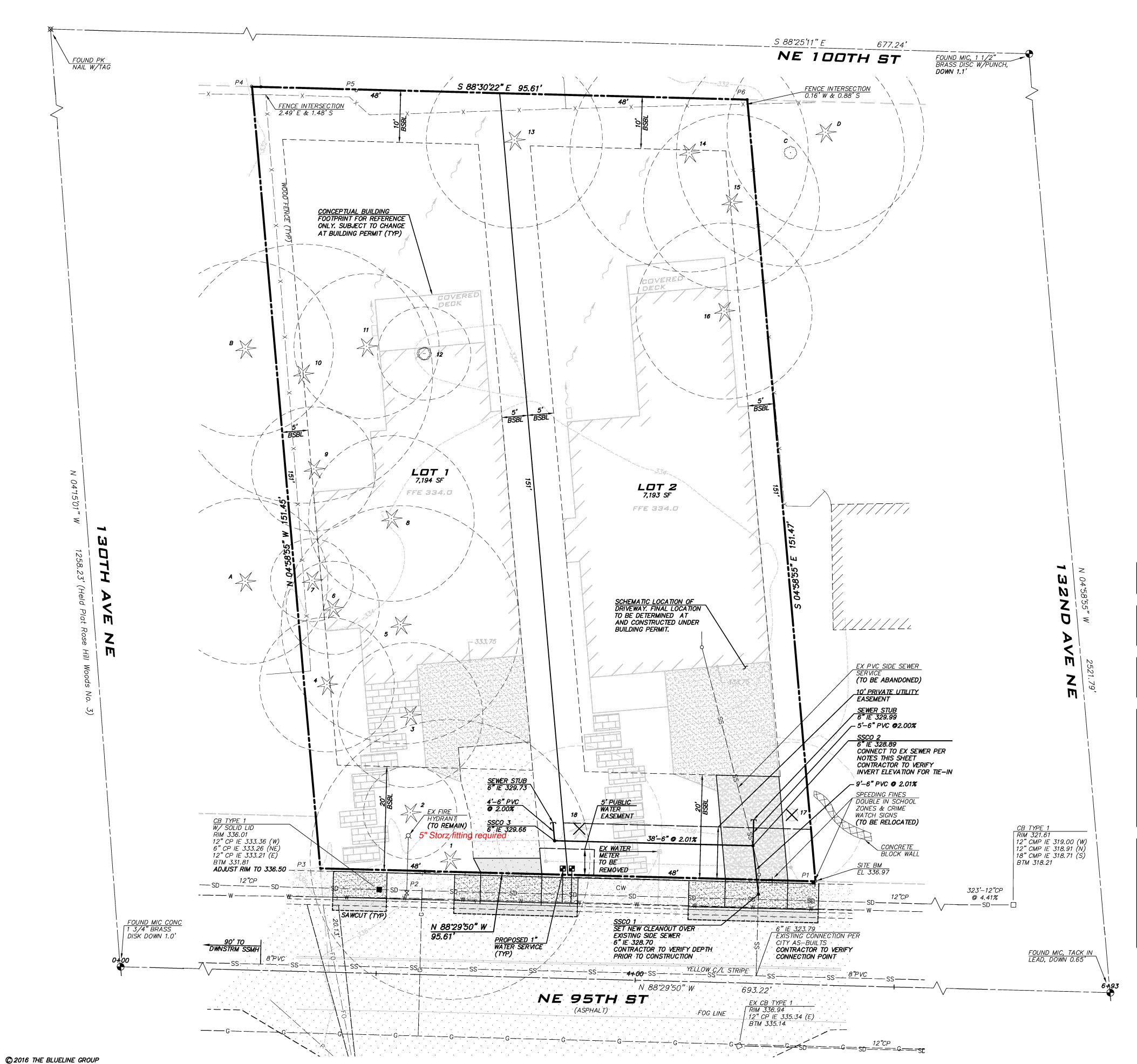
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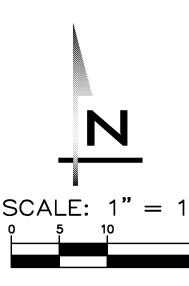
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SHEET NAME: RS-01

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CITY OF KIRKLAND PERMIT NO. LSM16-03107 APPROVED BY: DAN CARMODY DATE: 07/11/2016

ROW NOTE

REFER TO NOTES ON SHEET RS-01 FOR TRENCH REPAIR REQUIREMENTS.

EXISTING HYDRANT NOTES

EXISTING HYDRANT IS LOCATED ON THE NORTH SIDE OF NE 95TH STREET WITHIN THE SITE BOUNDARIES.

EXISTING UTILITIES NOTE

CONTRACTOR TO VERIFY LOCATION AND INVERTS OF EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND COORDINATE WITH ENGINEER IF DISCREPANCIES ARISE.

SEWER NOTES

- LOCATION OF EXISTING SEWER STUB IS APPROXIMATE BASED ON CITY AS-BUILTS. EXISTING
SEWER STUB MAY BE REUSED PROVIDED THE STUB IS AT LEAST 6" DIAMETER, THE PIPE
MATERIAL IS PVC AND IN GOOD CONDITION AND DEPTH IS ADEQUATE TO SERVE THE PROPOSED
UNIT. IF REUSE IS ANTICIPATED, PROVIDE INSPECTOR WITH TV VIDEO OF LINE. IF REUSE IS NOT
ANTICIPATED, ABANDON EXISTING SERVICE AND INSTALL NEW SIDE SEWER AS SHOWN.

- NEW SIDE SEWERS TO BE 6" PVC SDR-35 WITH MINIMUM SLOPE OF 2% UNLESS NOTED OTHERWISE AND CONFORM TO CITY STD PLAN NO CK-S.18, S.19, S.19A AND S.20.

- SS CLEAN OUTS TO BE PER CITY STD PLAN CK-S-17.

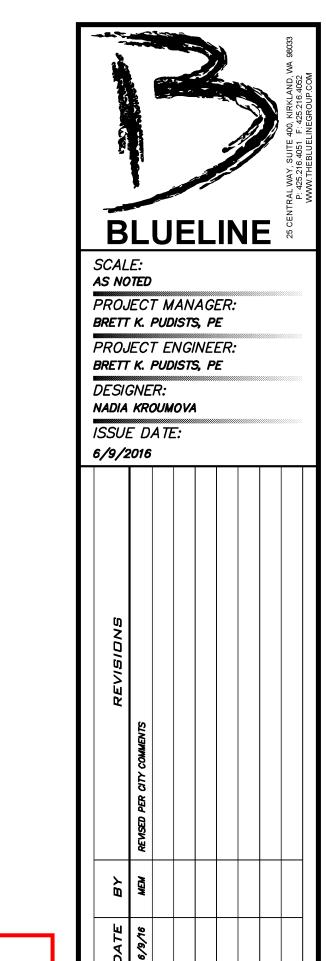
WATER NOTES

- IF EXISTING METER MEETS CURRENT CITY STANDARDS IT CAN BE RE-USED OTHERWISE CUT AND CAP SERVICE AT MAIN PER CURRENT PUBLIC WORKS SPECIFICATIONS AND INSTALL NEW SERVICE AT LOCATION SHOWN. IF THE EXISTING CORP STOP IS A HAYES OR B-MACHINE THE CORP STOP IS TO BE REMOVED AND A REPAIR BAND INSTALLED WHICH MAY REQUIRE A WATER MAIN SHUTDOWN.

- NEW 1" WATER SERVICE AND ¾" METER SHOWN IS TYPICAL SIZE FOR A NEW SINGLE FAMILY HOME. SIZE MAY VARY, BASED ON UPC SIZING CRITERIA, AND SHALL BE CONFIRMED BY BUILDER PRIOR TO CONSTRUCTION.

UNDERGROUND UTILITY NOTE

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3040 NE 95TH ST LSM PERMIT PLANS PARCEL #3888100177

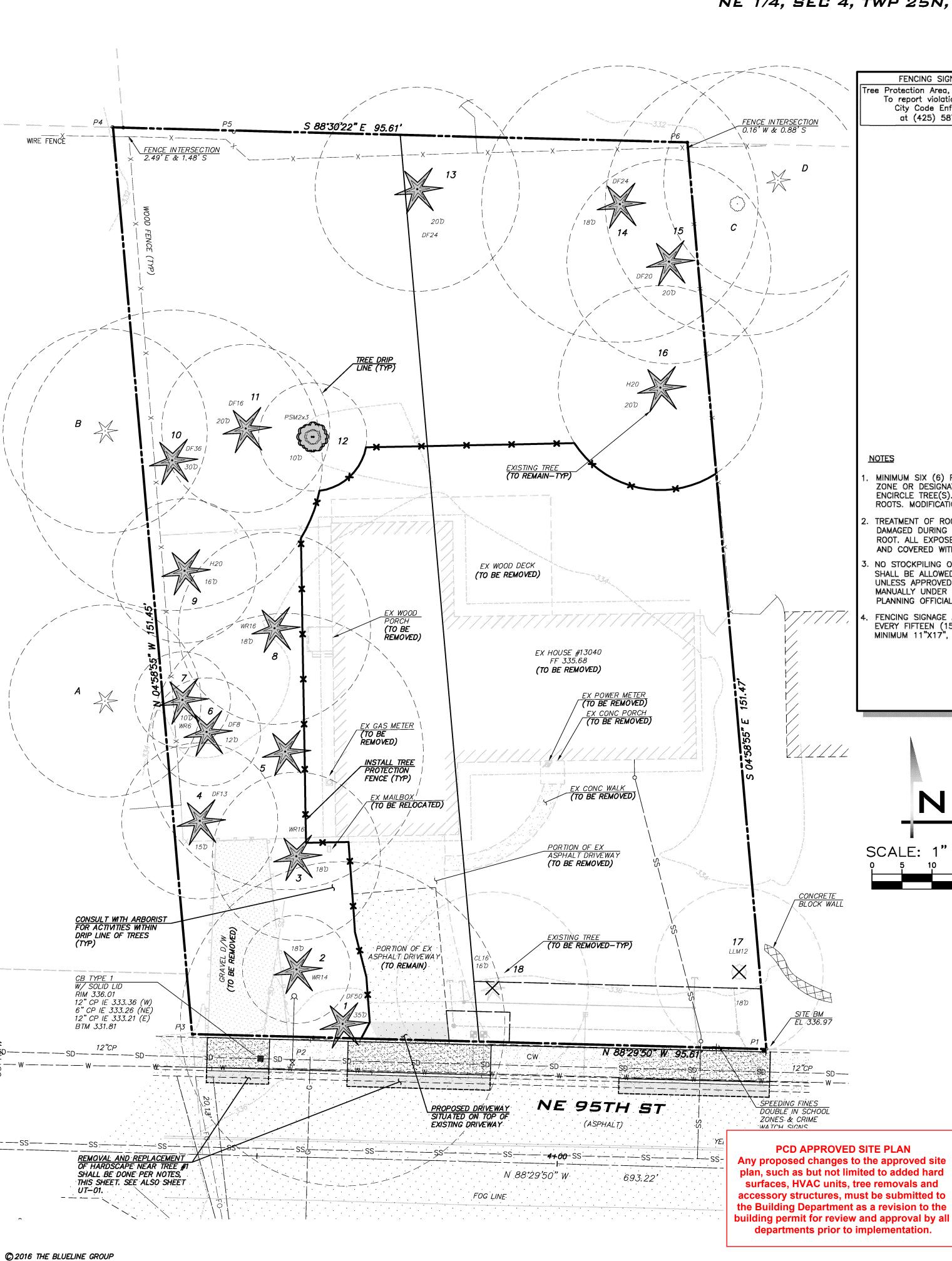
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SHEET NAME: SW-01

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FENCING SIGN DETAIL	LAST REVISED:01/30/09
Tree Protection Area, Entrance Prohibited To report violations contact	9,
City Code Enforcement at (425) 587-3225	W.
dt (423) 387-3223	SIGNIFICANT EXISTING TREE
1 (Phri	() EXCENT
V Plle 1	() A H
V May 1	CONTINUOUS CHAINLINK
1 / Maj /	FENCING POST AT MAX 10' O.C.
1 / LEFE	
	INSTALL AT LOCATION AS SHOWN ON PLANS
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	₩ · · · · · · · · · · · · · · · · · · ·
	<u>**************************</u>
2/11/1/1	William Committee of the Committee of th
	007 7015
NOTES CRITICAL R	OUT ZUNE

- MINIMUM SIX (6) FOOT HIGH TEMPORARY CHAINLINK FENCE SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE OF THE TREE TO BE SAVED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S). INSTALL FENCE POSTS USING PIER BLOCK ONLY, AVOID POST OR STAKES INTO MAJOR ROOTS. MODIFICATIONS TO FENCING MATERIAL AND LOCATION MUST BE APPROVED BY PLANNING OFFICIAL.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION; FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.
- NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMIT OF THE FENCING. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING OFFICIAL. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST AND WITH PRIOR APPROVAL BY THE CITY PLANNING OFFICIAL.

CITY OF KIRKLAND

PERMIT NO. LSM16-03107

APPROVED BY: DAN CARMODY

DATE: 07/11/2016

CLEARING LIMITS

DEMO NOTE

UNLESS OTHERWISE NOTED.

TREE NOTES

CK-R.49 ON SHEET TR-01.

DETERMINED AT BUILDING PERMIT.

REMOVED.

FENCING SIGNAGE AS DETAILED ABOVE MUST BE POSTED EVERY FIFTEEN (15) FEET ALONG THE FENCE. SIGN TO BE MINIMUM 11"X17", AND MADE OF WEATHERPROOF MATERIAL.

CITY OF KIRKLAND PLAN NO. CK-R.49

TREE LEGEND

EXISTING CONIFEROUS TREE
TO REMAIN

TO REMAIN

TO BE REMOVED

OFF-SITE

OFF-SITE

UNLESS OTHERWISE NOTED, EXISTING ONSITE BUILDINGS AND HARDSCAPE TO BE

ONSITE AREAS OUTSIDE OF TREE PROTECTION FENCE ARE SUBJECT TO CLEARING

-Work to be performed within the dripline of SAVED trees shall require

ONSITE CONSULTATION WITH THE ARBORIST PRIOR TO CONSTRUCTION.

PROTECTION MEASURES FOR ACTIVITIES WITHIN DRIP LINE OF TREES.

- LOCATION AND SPECIES OF REPLACEMENT TREES, IF REQUIRED, TO BE

-REFER TO ARBORIST REPORT FOR ADDITIONAL DETAILS RELATED TO TREE

TO BE REMOVED

EXISTING DECIDUOUS TREE

EXISTING CONIFEROUS TREE

EXISTING DECIDUOUS TREE

EXISTING CONIFEROUS TREE

EXISTING DECIDUOUS TREE

Tree #	Species	Latin Name	DBH (in.)	Appr Ht. (ft.)	Condition	Drip line Radius (ft.)	Tree Cred.	Retain Yes/ No
1	Douglas Fir	Pseudotsuga menziesii	45.5	100	Good/ Fair	27	18	Yes
2	Western Red Cedar	Thuja plicata	11.4	40	Fair	9	1	Yes
3	Western Red Cedar	Thuja plicata	14.8	50	Good	14	3	Yes
4	Douglas Fir	Pseudotsuga menziesii	11.0	50	Good	13	1	Yes
5	Douglas Fir	Pseudotsuga menziesii	32.9	100	Good/ Fair	23	12	Yes
6	Douglas Fir	Pseudotsuga menziesii	7.4	40	Good/ Fair	9	1	Yes
7	Western Red Cedar	Thuja plicata	6.0	30	Good	8	1	Yes
8	Western Red Cedar	Thuja plicata	17.1	50	Good/ Fair	16	4	Yes
9	Western Hemlock	Tsuga heterophylla	10.0	50	Good/ Fair	12	1	Yes
10	Douglas Fir	Pseudotsuga menziesii	29.5	90	Good	25	10	Yes
11	Douglas Fir	Pseudotsuga menziesii	16.2	70	Good	14	4	Yes
12	Japanese Maple	Acer palmatum	6.6	15	Good/ Fair	9	1	Yes
13	Grand Fir	Abies grandis	23.1	70	Good	17	7	Yes
14	Douglas Fir	Pseudotsuga menziesii	22.6	80	Good	23	7	Yes
15	Douglas Fir	Pseudotsuga menziesii	18.0	70	Good	17	5	Yes
16	Western Red Cedar	Thuja plicata	13.1	60	Good/ Fair	17	2	Yes
17	Japanese Maple	Acer palmatum	11	20	Good	14	1	No
18	Deadora Cedar	Cedrus deadora	15.9	60	Good	16	3	No

Adjacent Property Encroaching Significant Trees

Tree #	Species	Latin Name	DBH (in.)	Appr Ht. (ft.)	Condition	Drip line Radius (ft.)	Tree Cred.	Retain Yes/ No
A	Douglas Fir	Pseudotsuga menziesii	13	50	Good	16	N/A	Yes
В	Oriental Spruce	Picea orientalis	18	60	Fair	17	N/A	Yes
С	Western Red Cedar	Thuja plicata	27	80	Good	22	N/A	Yes
D	Douglas Fir	Pseudotsuga menziesii	25	90	Good	19	N/A	Yes



ANY PROPOSED CHANGES TO THE APPROVED SITE PLAN, SUCH AS BUT NOT LIMITED TO, ADDED HARD SURFACES, HVAC UNITS, TREE REMOVALS AND ACCESSORY STRUCTURES, MUST BE SUBMITTED TO THE BUILDING DEPARTMENT AS A REVISION TO THE BUILDING PERMIT FOR REVIEW AND APPROVAL BY ALL DEPARTMENTS PRIOR TO IMPLEMENTATION.

HARDSCAPE NEAR TREE #1

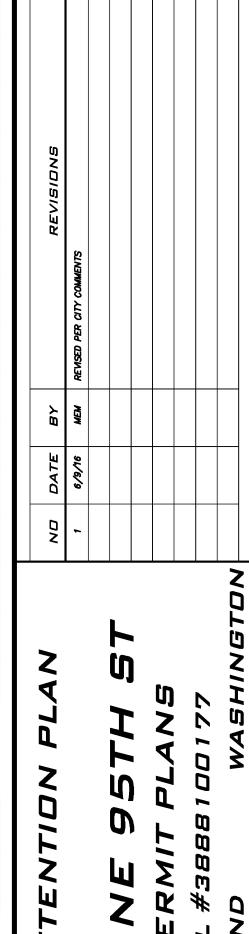
- CONTRACTOR TO COORDINATE WITH ARBORIST ONSITE WHILE REMOVING! INSTALLING HARDSCAPE NEAR TREE #1.
- SAWCUT EXISTING HARDSCAPE IN SECTIONS AND REMOVE BY HAND BEING CAREFUL NOT TO DISTURB ROOTS.
- 3. INSTALLATION OF NEW HARDSCAPE MAY REQUIRE PLACEMENT OF SAND OR OTHER PROTECTIVE LAYER ON ROOTS THAT MAY BE EXPOSED AS DIRECTED BY THE ARBORIST.

TREE RETENTION CALCULATIONS EXISTING **REPLACEMENT *REQUIRED TREE CREDITS LOT SIZE TREE CREDITS <u>TREES</u> 7,194 SF (0.165 AC) 2 7,195 SF (0.165 AC)

*30 CREDITS PER ACRE **1 CREDIT = 6' TALL CONIFER OR 2" CALIPER DECIDUOUS OR BROADLEAF EVERGREEN. REPLACEMENT TREES TO BE LOCATED DURING BUILDING PERMIT PROCESS.

UNDERGROUND UTILITY NOTE - Install tree protection fence and signage as shown per city std plan

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BLUELINE

PROJECT MANAGER: BRETT K. PUDISTS, PE PROJECT ENGINEER: BRETT K. PUDISTS, PE

DESIGNER:

NADIA KROUMOVA ISSUE DATE: 6/9/2016

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SHEET NAME: TR-01

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2. BEFORE ANY CONSTRUCTION MAY OCCUR, THE CONTRACTOR SHALL HAVE PLANS WHICH HAVE BEEN SIGNED AND APPROVED BY THE CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT, OBTAINED ALL CITY, COUNTY, STATE, FEDERAL AND OTHER REQUIRED

PERMITS, AND HAVE POSTED ALL REQUIRED BONDS. ALL STORM DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KIRKLAND PUBLIC WORKS PRE-APPROVED PLANS AND POLICIES AND THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).

ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL, ALL CHANGES SHALL BE SUBMITTED TO THE CITY.

A COPY OF THE APPROVED STORM WATER PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SIMILARLY STABILIZED TO THE SATISFACTION OF THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS FOR THE PREVENTION OF ON-SITE EROSION AFTER THE COMPLETION OF

MINIMUM COVER OVER STORM DRAINAGE PIPES IN ROW OR VEHICULAR PATH SHALL BE 18 INCHES, UNLESS OTHER DESIGN IS APPROVED. STEEL PIPE SHALL HAVE ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUTSIDE.

9. ALL CATCH BASINS SHALL BE TYPE I UNLESS ÖTHERWISE NOTED. CATCH BASINS WITH A DEPTH OF OVER FIVE FEET (5") TO THE PIPE INVERT SHALL BE A TYPE II CATCH BASIN. TYPE II CATCH BASINS EXCEEDING FIVE FEET (5") IN DEPTH SHALL HAVE A STANDARD LADDER INSTALLED.

10. ALL STORM DRAINAGE MAIN EXTENSIONS WITHIN THE PUBLIC RIGHT-OF-WAY OR IN EASEMENTS MUST BE STAKED FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.

11. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF ONE FOOT (1') AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING: 2"-4" ROCK/30%-40% PASSING; 2"-MINUS ROCK/10%-20% PASSING.

12. ALL PIPE, MANHOLES, CATCH BASINS, AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (WSDOT). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIAL AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE, UNYIELDING BASE. IF THE NATIVE MATERIAL IN THE BOTTOM OF THE TRENCH MEETS THE REQUIREMENTS FOR "GRAVEL BACKFILL FOR PIPE BEDDING," THE FIRST LIFT OF PIPE BEDDING MAY BE OMITTED PROVIDED THE MATERIAL IN THE BOTTOM OF THE TRENCH IS LOOSENED, REGRADED. AND COMPACTED TO FORM A DENSE UNYIELDING BASE. ALL PIPE BEDDING SHALL BE APWA CLASS B, TYPE I, OR BETTER. PIPE SHALL NOT BE INSTALLED ON SOD, FROZEN EARTH, LARGE BOULDERS, OR ROCK. PIPE BEDDING FOR FLEXIBLE PIPES SHALL BE PEA GRAVEL TO THE SPRINGLINE OF THE PIPE.

13. CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD SPECIFICATIONS.

14. ISSUANCE OF A BUILDING OR LAND SURFACE MODIFICATION PERMIT BY THE CITY OF KIRKLAND DOES NOT RELIEVE THE OWNER OF THE CONTINUING LEGAL OBLIGATION AND OR LIABILITY CONNECTED WITH STORM SURFACE WATER DISPOSITION. FURTHER. THE CITY OF KIRKLAND DOES NOT ACCEPT ANY OBLIGATION FOR THE PROPER FUNCTIONING AND MAINTENANCE OF THE SYSTEM DURING OR FOLLOWING CONSTRUCTION EXCEPT AS OUTLINED IN THE CITY OF KIRKLAND PUBLIC WORKS

15. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE A TRAFFIC CONTROL PLAN APPROVED BY THE CITY OF KIRKLAND. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS, TRAFFIC CONTROL, AND THE MANUAL OF

UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY. 17. NO FINAL CUT OR FILL SLOPE SHALL EXCEED SLOPES OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL WITHOUT STABILIZATION BY ROCKERY OR BY A STRUCTURAL

18. ALL MANHOLE LADDERS SHALL BE FIRMLY ATTACHED AND EXTEND TO WITHIN 1' OF

THE BOTTOM OF THE STRUCTURE.

APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE DEVELOPMENT ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION

20. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE

LIFE OF THE PROJECT. 21. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, WIDTHS, THICKNESSES, AND ELEVATIONS OF ALL EXISTING PAVEMENTS AND STRUCTURES THAT ARE TO INTERFACE WITH NEW WORK. PROVIDE ALL TRIMMING, CUTTING, SAW CUTTING, GRADING, LEVELING, SLOPING, COATING, AND OTHER WORK, INCLUDING MATERIALS AS NECESSARY, TO CAUSE THE INTERFACE WITH EXISTING WORKS TO BE PROPER, ACCEPTABLE TO THE ENGINEER AND THE CITY OF KIRKLAND, COMPLETE IN PLACE

22. ALL INLET, MANHOLE, AND CATCH BASIN FRAMES AND GRATES SHALL NOT BE ADJUSTED TO GRADE UNTIL IMMEDIATELY PRIOR TO FINAL PAVING. ALL CATCH BASIN GRATES SHALL BE SET 0.10' BELOW PAVEMENT LEVEL.

23. OPEN CUT ROAD CROSSINGS FOR UTILITY TRENCHES ON EXISTING TRAVELED ROADWAY SHALL BE BACKFILLED ONLY WITH 5/8" MINUS CRUSHED ROCK AND MECHANICALLY COMPACTED (UNLESS OTHERWISE APPROVED BY THE CITY). FOR STREETS CLASSIFIED AS ARTERIALS OR COLLECTORS, BACKFILL FOR CROSSINGS SHALL BE CDF. CUTS INTO THE EXISTING ASPHALT SHALL BE NEAT LINE CUT WITH SAW OR JACKHAMMER IN A CONTINUOUS LINE. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. A PERMANENT HOT MIX PATCH SHALL BE PLACED WITHIN 30 DAYS AND SHALL BE A MINIMUM OF 1" THICKER THAN THE ORIGINAL ASPHALT WITH A MINIMUM THICKNESS OF 2". SEE

24. ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE CITY CONSTRUCTION INSPECTOR BEFORE PROJECT APPROVAL AND/OR THE RELEASE OF THE PROJECT'S PERFORMANCE BOND.

25. GROUT ALL SEAMS AND OPENINGS IN ALL INLETS, CATCH BASINS, AND MANHOLES. JETSET GROUT IS NOT ALLOWED.

26. WHEN WIDENING AN EXISTING ROADWAY WHERE AN EXISTING TYPE I CATCH BASIN WILL REMAIN IN THE TRAVEL LANE, THE EXISTING FRAME AND COVER SHALL BE

REPLACED WITH A ROUND, LOCKING FRAME AND COVER. 27. FOR OTHER THAN SINGLE-FAMILY DWELLINGS, ALL EXPOSED OR READILY EXPOSED INDOOR STORM DRAINAGE PIPING/PLUMBING SHALL BE LABELED WITH THE WORDS "STORM DRAIN" WITH MINIMUM 2 INCH HIGH LETTERS.

WATER - PLAN NOTES

1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.

2. ALL WATER MAIN WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CURRENT AWWA, WSDOT, AND APWA STANDARD SPECIFICATIONS, AS AMENDED BY THE CITY OF KIRKLAND. ALL MATERIAL UTILIZED SHALL BE NEW, NO PARTS SHALL BE REUSED. ANY PART REMOVED FROM THE SYSTEM FOR ANY REASON MAY NOT BE REUSED AND SHALL BE REPLACED WITH A NEW PART. (E.G. A ROMAC WITH A BAD GASKET MUST BE REPLACED WITH AN ENTIRELY NEW ROMAC ASSEMBLY).

THE WATER MAIN SHALL BE CLASS 52 DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51-86 OR THE MOST RECENT REVISION. THE PIPE SHALL BE 1/16" CEMENT LINED AND SEALED IN ACCORDANCE WITH ANSI/AWWA C104/A21.4-90. THE CAST IRON OR DUCTILE IRON PIPE FITTINGS SHALL BE CLASS 250 AS PER ANSI/AWWA C110/A21.10-82. PIPE BEDDING SHALL BE COMPACTED TO 95 PERCENT OF ITS MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. THE MAIN SHALL BE INSTALLED WITH A MINIMUM COVER OF 36" AND A MAXIMUM COVER OF 60". ANY DEVIATIONS FROM THIS MUST BE APPROVED BY THE CITY OF KIRKLAND

PRIOR TO CONSTRUCTION. CONCRETE BLOCKING FOR WATER MAINS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH AWWA AND CITY OF KIRKLAND SPECIFICATIONS AND SHALL BE INSTALLED AT ALL VERTICAL AND HORIZONTAL BENDS AND FITTINGS. PRIOR TO

BLOCKING, THE FITTINGS SHALL BE WRAPPED WITH VISQUEEN. ALL CONNECTIONS TO EXISTING MAINS AND ALL TESTING AND DISINFECTION SHALL BE PERFORMED UNDER THE SUPERVISION OF THE CITY OF KIRKLAND DEPARTMENT

OF PUBLIC WORKS INSPECTOR. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

ALL CONTRACTORS WORKING WITH AC PIPE MUST BE STATE-CERTIFIED. THE CONTRACTOR SHALL PROVIDE PROTECTIVE CLOTHING AND EQUIPMENT (COVERALLS, GLOVES, BOOTS, HEAD COVERING, GOGGLES, RESPIRATORS, ETC.) TO CREWS WORKING WITH ASBESTOS CEMENT PIPE IN ORDER TO ASSURE THE WORKER'S EXPOSURE TO ASBESTOS MATERIAL IS AT OR BELOW THE LIMITS PRESCRIBED IN WAC

296–62–07705. AN APPROVED COPY OF THE WATER PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

A 5' MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER AND TELEPHONE FACILITIES, UNLESS

OTHERWISE APPROVED BY THE CITY OF KIRKLAND. FOR WATER MAIN AND SEWER MAIN SEPARATION REQUIREMENTS, SEE ITEM VIII.C OF THE SANITARY SEWER - DESIGN CRITERIA SECTION AND DETAIL W.01.

PRESSURE AND PURITY TESTING SHALL BE DONE IN THE PRESENCE OF, AND UNDER THE SUPERVISION OF, A CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS INSPECTOR. THE CONTRACTOR SHALL PROVIDE ALL PLUGS AND TEMPORARY BLOWOUT ASSEMBLIES FOR PRESSURE TESTING AND DISINFECTION PRIOR TO FINAL TIE—IN. NO CONNECTION SHALL BE MADE BETWEEN THE NEW MAIN AND THE EXISTING MAINS UNTIL THE NEW PIPING HAS BEEN DISINFECTED, FLUSHED, AND PASSED BOTH PRESSURE AND PURITY TESTING. TEMPORARY PLUGS AND BLOCKING SHALL BE INSTALLED AT THE POINTS OF CONNECTION TO THE EXISTING SYSTEM. FOR CONSTRUCTION OF NEW WATER MAIN, THE SERVICES, HYDRANTS ETC., WILL BE TESTED WITH THE MAIN. PRESSURE TESTING WILL REQUIRE A MINIMUM OF 200 PSI FOR 15 MINUTESWITH NO PRESSURE DROP. UPON SATISFACTORY COMPLETION OF THE PRESSURE TEST, THE LINE SHALL BE DISINFECTED, FLUSHED, AND THEN A SAMPLE SHALL BE TAKEN FOR PURITY TESTING BY THE PUBLIC WORKS INSPECTOR.

12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF KIRKLAND INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL WATER MAIN CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING AS—BUILT DRAWINGS OF ALL CONSTRUCTION NOT INSTALLED ACCORDING TO THE APPROVED PLANS. (THIS

DOES NOT GIVE APPROVAL FOR AS-BUILT CONSTRUCTION.) 13. THE CONTRACTOR SHALL CONTACT THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS FIVE (5) DAYS PRIOR TO ANY WORK REQUIRING THE SHUTDOWN OF EXISTING WATER MAINS. THE CONTRACTOR IS REQUIRED TO GIVE TWO (2) WORKING DAYS NOTICE TO ALL CUSTOMERS AFFECTED BY A WATER MAIN SHUTDOWN (NOTICES AND MAPS FOR THE SHUTDOWN WILL BE PROVIDED BY THE WATER DIVISION). SHUTDOWNS SHALL BE SCHEDULED FOR MONDAYS, TUESDAYS, WEDNESDAYS, AND THURSDAYS BETWEEN 8 AM AND 2 PM. SHUTDOWNS AFFECTING INSTITUTIONS SHALL BE SCHEDULED AT NIGHT. ONLY WATER DIVISION PERSONNEL OR A DESIGNATE OF THE WATER DIVISION MANAGER MAY OPERATE VALVES, AND/OR HYDRANTS, BLOW-OFFS, ETC.. FOR FILLS. SHUT DOWNS. FLUSHING. OR RECHARGING OF WATER LINES. TWO (2) WORKING DAYS NOTICE TO THE WATER DIVISION IS REQUIRED TO SCHEDULE FILLS.

14. THERE SHALL BE NO WATER MAIN CONSTRUCTION ON A SATURDAY, SUNDAY, OR HOLIDAYS OBSERVED BY THE CITY OF KIRKLAND. 15. SHOULD THE WATER MAIN WORK NECESSITATE THE CLOSING OF CERTAIN GATE

VALVES WITHIN THE EXISTING SYSTEM. THE CITY OF KIRKLAND MAINTENANCE DEPARTMENT SHALL BE RESPONSIBLE FOR THE OPERATION OF SUCH VALVES.

16. THE FIRE FLOW SYSTEM SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO ABOVE-GROUND COMBUSTIBLE CONSTRUCTION. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85

PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 18. MEGA-LUGS (OR SIMILAR PRODUCT) SHALL BE REQUIRED ON ALL FITTINGS AND VALVES FOR TIE—INS, OR BUILD—OÚTS FOR TIE—INS PRIOR TO A FINAL CONNECTION TO THE EXISTING WATER MAIN. APPROPRIATE CONCRETE BLOCKING IS ALSO

REQUIRED IN ADDITION TO MEGA-LUGS. 19. FOR THE DURATION OF ANY WATER MAIN INSTALLATION PROJECT, ALL EXISTING AND NEWLY INSTALLED VALVE CANS ARE TO REMAIN ACCESSIBLE TO WATER DIVISION

20. WHEN IT BECOMES NECESSARY TO RE-PLUMB THE CUSTOMER'S SIDE OF AN EXISTING WATER METER AS THE RESULT OF THE RELOCATION OF THE EXISTING SERVICE OR TO COMPLY WITH OTHER CITY OF KIRKLAND PUBLIC WORKS SPECIFICATIONS, THE CUSTOMER'S SIDE SHALL BE RECONNECTED WITH THE APPROPRIATE PLUMBING MATERIALS (AND RELATED FITTINGS) SUCH AS BRASS. COPPER, POLYETHYLENE WITH A 200 P.S.I. RATING, OR PVC. ALL PARTS, PIPE, AND/OR FITTINGS SHALL BE NEW FROM THE BACK SIDE OF THE METER TO THE CONNECTION POINT OF THE CUSTOMER'S SERVICE.

21. NO TIE-IN WILL BE ALLOWED INTO THE EXISTING TAILPIECE ON THE CUSTOMER'S SIDE OF THE METER. IF THE EXISTING METER DOES NOT HAVE A CHECK VALVE INSTALLED ON THE BACK SIDE OF THE METER (CUSTOMER'S SIDE) A CHECK VALVE CANNOT BE NSTALLED WHEN DOING THE TIE—IN.

22. IF A FITTING, EITHER DURING INSTALLATION OR AFTER, IS FOUND TO BE DEFECTIVE IN ANY WAY AS DETERMINED BY THE CITY, THE CONTRACTOR SHALL REPLACE THE

ENTIRE FITTING AND NOT JUST THE DEFECTIVE COMPONENT. 23. BEGINNING JANUARY 1, 2014, ALL PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND PLUMBING FIXTURES USED FOR POTABLE WATER, MUST HAVE A MAXIMUM LEAD CONTENT NOT TO EXCEED 0.25%, PER "LEAD FREE" STANDARDS AS DEFINED IN SECTION 9 OF NSF/ANSI STANDARD 61.

SANITARY SEWER - PLAN NOTES

1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO

2. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS AND CURRENT WSDOT/APWA STANDARDS AND SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.

3. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS ACTIVITIES WITH LOCAL UTILITY COMPANIES TO ENSURE THAT ALL UTILITIES ARE INSTALLED ACCORDING TO THESE PLANS AND THE REQUIREMENTS OF THE INDIVIDUAL UTILITY COMPANIES.

5. ALL MANHOLES SHALL CONFORM TO WSDOT/APWA STANDARDS, ECCENTRIC CONES WITH MANUFACTURER-APPROVED GASKETS AND 1/2" POLYPROPYLENE-ENCAPSULATED SAFETY STEPS AND LADDERS. ALL MANHOLES SHALL HAVE CAST IRON RINGS AND DUCTILE IRON COVERS. LIDS SHALL HAVE 2" RAISED LETTERS MARKED "SEWER." ALL CLEANOUTS SHALL HAVE CAST IRON RINGS AND COVERS MARKED "CO" THAT ARE IN PAVED AREAS.

6. ALL SIDE SEWERS SHALL BE TESTED FOR ACCEPTANCE AT THE SAME TIME THE MAIN SEWER IS TESTED. SIDE SEWER LOCATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION AND BACKFILLING. ALL SIDE SEWERS SHALL BE CAPPED WITH A WATERTIGHT PLUG, HAVE A CLEANOUT AND TEST TEE INSTALLED, AND SHALL BE MARKED FOR LOCATION WITH A 2" X 4" STAKE PAINTED WHITE. MARKED SEWER, WITH 3' EXPOSED, AND THE DEPTH OF THE CAP WRITTEN ON THE STAKE. SEE STANDARD DETAIL S.18. THE STAKE SHALL BE SECURED TO THE END OF THE PLUG WITH WIRE A MINIMUM OF 16 GAUGE. INITIAL SIDE SEWER INSTALLATION SHALL RUN TO THE PROPERTY LINE. THE REMAINING SIDE SEWER SHALL NOT BE INSTALLED UNTIL TESTING AND ACCEPTANCE OF THE SEWER TRUNK LINE BY THE CITY OF KIRKLAND IS COMPLETED. NUMBER AND LOCATION OF SIDE SEWERS SHOWN ARE APPROXIMATE ONLY AND MAY BE CHANGED AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER WHEN EXACT LOCATIONS ARE DETERMINED AND PROVIDE THE ENGINEER AND THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS WITH AN AS-BUILT. IF APPROVED BY THE PUBLIC WORKS DEPARTMENT, ALL DOUBLE-SIDED SEWER WYES MUST BE AT THE PROPERTY LINE.

7. ALL MAIN-LINE TRENCHES SHALL BE COMPACTED PRIOR TO TESTING SEWER LINES FOR

8. PRESSURE TESTING OF GRAVITY SEWER MAINS SHALL CONFORM TO THE FOLLOWING STANDARDS: (1) AIR TESTING WILL REQUIRE A MINIMUM OF 4 PSI FOR 15 MINUTES WITH NO PRESSURE DROP; (2) WATER TESTING WILL REQUIRE A MINIMUM OF 10' OF HEAD IN A STANDPIPE AT THE TEST OCATION FOR 15 MINUTES WITH NO DROP IN THE WATER LEVEL IN THE STANDPIPE. EITHER TEST IS ACCEPTABLE

9. PRESSURE TESTING OF FORCE MAINS AND LATERALS WILL REQUIRE AN AIR TEST OF 25 PSI

MINIMUM FOR 15 MINUTES WITH NO PRESSURE DROP. 10. NEW CONNECTIONS TO EXISTING MANHOLES OR SEWER LINES SHALL BE SEALED OFF UNTIL UPSTREAM CONSTRUCTION IS FINISHED, TESTED, CLEANED, AND ACCEPTED. ALL CONSTRUCTION

DEBRIS AND WATER SHALL BE REMOVED PRIOR TO OPENING THE SEAL. 11. ALL PVC SEWER PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATIONS D-3034 FOR 4" TO 15" DIAMETER AND ASTM F679 FOR 18" TO 27" DIAMETER. PIPE SHALL BE SDR-35 AND SHALL CONFORM TO STANDARD SPECIFICATIONS. BEDDING AND BACKFILL SHALL MEET WSDOT AND APWA SPECIFICATIONS.

12. MINIMUM SLOPE FOR SIDE SEWERS SHALL BE TWO PERCENT (2%). 13. AN APPROVED COPY OF THE SEWER PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN

14. PRIOR TO CONSTRUCTION OF SEWER LINES, THE NECESSARY LOT CORNERS MUST BE SET, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE LOCATION OF PIPES, MANHOLES, AND INVERT ELEVATIONS.

15. PIPE ANCHORS, IF USED, SHALL BE INSTALLED: NOT OVER 36' CENTER TO CENTER ON GRADES FROM 20 PERCENT TO 35 PERCENT; NOT OVER 24' CENTER TO CENTER ON GRADES FROM 35 PERCENT TO 50 PERCENT; AND NOT OVER 16' CENTER TO CENTER ON GRADES 50 PERCENT AND

16. ALL MANHOLES SHALL HAVE A MINIMUM OF 0.10' TO A MAXIMUM OF 1.00' DROP BETWEEN INVERT IN AND INVERT OUT.

17. PVC SEWER PIPE SHALL BE TESTED FOR DEFLECTION ACCORDING TO WSDOT/APWA

18. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.

19. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST ALL MANHOLE LIDS AND CLEANOUT LIDS TO MATCH FINAL ASPHALT ELEVATIONS IN ROADWAYS OR GROUND ELEVATIONS IN LANDSCAPED AREAS. 20. WHEN TYING INTO EXISTING MANHOLES THAT ARE BELOW MINIMUM STANDARDS, THE EXISTING

MANHOLE MUST BE UPGRADED TO MEET CURRENT STANDARDS. 21. ALL NEW SEWER MAIN EXTENSIONS SHALL BE VIDEOED PRIOR TO FINAL ACCEPTANCE.

ROADWAY - PLAN NOTES

1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.

2. ALL ROADWAY WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CURRENT APWA AND CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.

3. ALL PUBLIC ROADWAYS SHALL BE CONSTRUCTED OF 2" CLASS "B" AC PAVING ON 4" ASPHALT-TREATED BASE (ATB), UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DEPARTMENT.

4. A COPY OF THE APPROVED ROADWAY PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

5. DENSITY TEST REPORTS WILL BE REQUIRED FOR ALL PUBLIC ROADWAYS AND ALL PRIVATE ROADWAYS WITHIN PLATS. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS. ROADWAY SHOULDERS. ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.

6. ALL COMMERCIAL AND RESIDENTIAL DRIVEWAYS MUST CONFORM TO THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS DRIVEWAY POLICY.

ALL CONCRETE FOR SIDEWALKS AND CURB AND GUTTER MUST BE 4,000 PSI MINIMUM (5-3/4 SACK MIX.) 8. IN THE CASE OF NEW ROAD CONSTRUCTION OR RECONSTRUCTION REQUIRING

MAILBOXES TO BE MOVED OR REARRANGED. THE DEVELOPER/CONTRACTOR SHALL COORDINATE WITH THE U.S. POSTAL SERVICE FOR THE NEW LOCATION OF THE MAILBOX STRUCTURE. 9. ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED SO AS TO MEET THE CURRENT CITY OF KIRKLAND

STANDARDS. 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. THEREFORE, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK IN THE RIGHT-OF-WAY. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) OR AS MODIFIED BY THE

11. WHERE A SIDEWALK IS TO BE CONSTRUCTED ABOVE A SLOPE OR ADJACENT TO A ROCKERY OR RETAINING WALL WHERE THE LOWEST FINISHED ELEVATION OF THE SLOPE, ROCKERY, OR RETAINING WALL IS TO BE THIRTY INCHES (30") OR MORE BELOW THE FINISHED ELEVATION OF THE SIDEWALK, A SAFETY RAILING SHALL BE REQUIRED WHEN: (A) THE PLANE OF THE WALL FACE IS LESS THAN 4' IN HORIZONTAL DISTANCE FROM THE OUTSIDE EDGE OF THE SIDEWALK; (B) THE SLOPES ADJACENT TO THE SIDEWALK AVERAGE GREATER THAN TWO TO ONE.

12. THE MAXIMUM GRADE FOR PRIVATE ROADWAYS SHALL BE TWENTY PERCENT (20%), OR FIFTEEN PERCENT (15%) IF USED FOR FIRE ACCESS. FOR PUBLIC ROADWAYS, THE

MAXIMUM GRADE SHALL BE FIFTEEN PERCENT (15%). 13. DEAD—END STREETS SHALL BE APPROPRIATELY SIGNED AND BARRICADED. SEE MOST CURRENT EDITION OF THE MUTCD.

14. SIDEWALK AND CURB AND GUTTER CANNOT BE POURED MONOLITHICALLY. THERE MUST BE A COLD JOINT OR FULL-DEPTH EXPANSION JOINT BETWEEN THEM. 15. MEASURES SHALL BE TAKEN BY THE DEVELOPER TO PROVIDE GROUND COVER IN AREAS WITHIN THE RIGHT-OF-WAY WHICH HAVE BEEN STRIPPED OF NATURAL

VEGETATION OR HAVE A POTENTIAL FOR EROSION. 16. THE DEVELOPER SHALL COORDINATE WITH PUGET POWER FOR THE DESIGN AND INSTALLATION OF STREET LIGHTS ON ALL NEWLY-CREATED PUBLIC ROADWAYS AND

EXISTING ROADWAYS. 17. WHEN AN EXISTING ROADWAY IS TO RECEIVE HALF-STREET OVERLAY, THE EXISTING ROADWAY MUST BE COLD PLANED AT THE EDGE OF THE GUTTER AND CENTERLINE. WHEN THE EXISTING ROADWAY IS TO RECEIVE A FULL-STREET OVERLAY, IT MUST BE COLD PLANED AT THE EDGE OF BOTH GUTTERS. SEE CITY OF KIRKLAND STANDARD DETAIL NO. R.13. 18. ALL NEW SIGNS REQUIRED IN THE PUBLIC RIGHT-OF-WAY MUST BE PURCHASED FROM,

AND INSTALLED BY, THE CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT. 19. WHEN INSTALLING NEW SIDEWALK, THE AREA BEHIND THE SIDEWALK MUST BE GRADED SO THAT THE YARD DRAINAGE DOES NOT DRAIN OVER THE SIDEWALK.

20. ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO FINAL INSPECTION. 21. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PUBLIC STREETS FREE FROM

MUD AND DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL BE PREPARED TO USE POWER SWEEPERS OR OTHER PIECES OF EQUIPMENT NECESSARY TO KEEP THE ROADWAYS CLEAN.

22. BACKFILL IN ALL STREET CUTS ON ARTERIALS WILL BE CONTROL DENSITY FILL (CDF). CONTRACTOR MUST PROVIDE STEEL PLATING NECESSARY TO ALLOW THE CDF TO

23. WHEN CONSTRUCTING NEW CURB AND GUTTER WHICH DOES NOT ALIGN WITH THE EXISTING EDGE OF PAVEMENT, THE ROADWAY MUST BE TAPERED FROM THE ENDS OF THE NEW CURB AND GUTTER TO MATCH THE EXISTING PAVEMENT. THE ENTRY TAPER INTO THE NEW IMPROVEMENTS SHALL BE 5:1, AND LEAVING THE NEW IMPROVEMENTS

24. WHEN AN EXISTING ROADWAY IS TO BE WIDENED, THE EXISTING PAVEMENT MUST BE SAW CUT AT LEAST ONE FOOT FROM THE EDGE TO PROVIDE A PROPER MATCH BETWEEN NEW AND EXISTING ASPHALT. HOWEVER, WHEN THE EXISTING PAVEMENT CONTAINS ALLIGATORED AREAS, THOSE AREAS MUST BE REMOVED PRIOR TO WIDENING. ALL SAW CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE RIGHT-OF-WAY

25. ALL ROCKERIES MUST BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT GUIDELINES OF THE ASSOCIATION.

BLUELINE

SCALE: AS NOTED PROJECT MANAGER: BRETT K. PUDISTS, PE PROJECT ENGINEER:

BRETT K. PUDISTS, PE DESIGNER: NADIA KROUMOVA

REVISIONS	ISSUE DATE: 6/9/2016								
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UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

CITY OF KIRKLAND

PERMIT NO. LSM16-03107

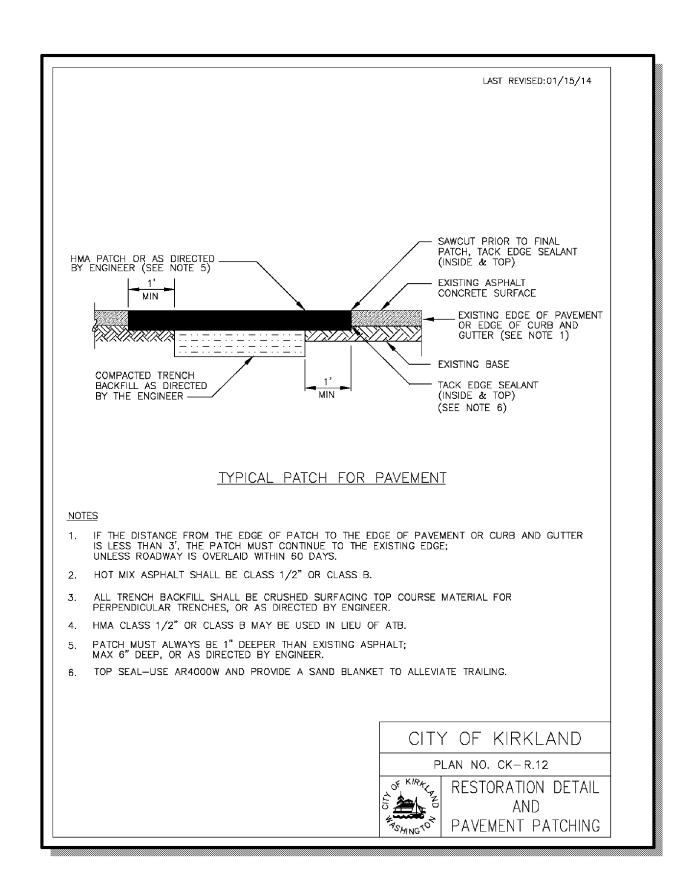
APPROVED BY: DAN CARMODY

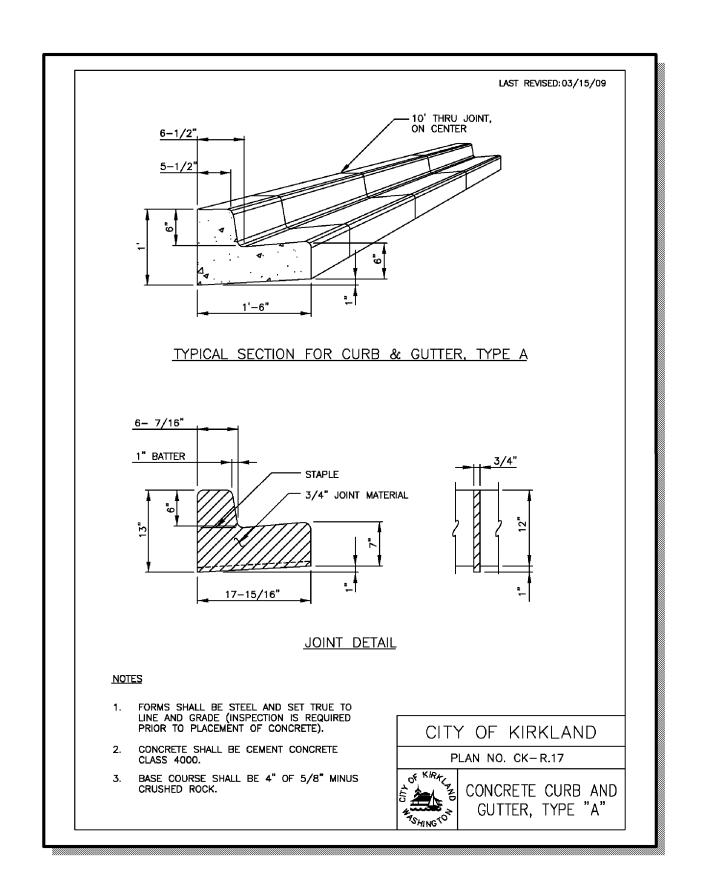
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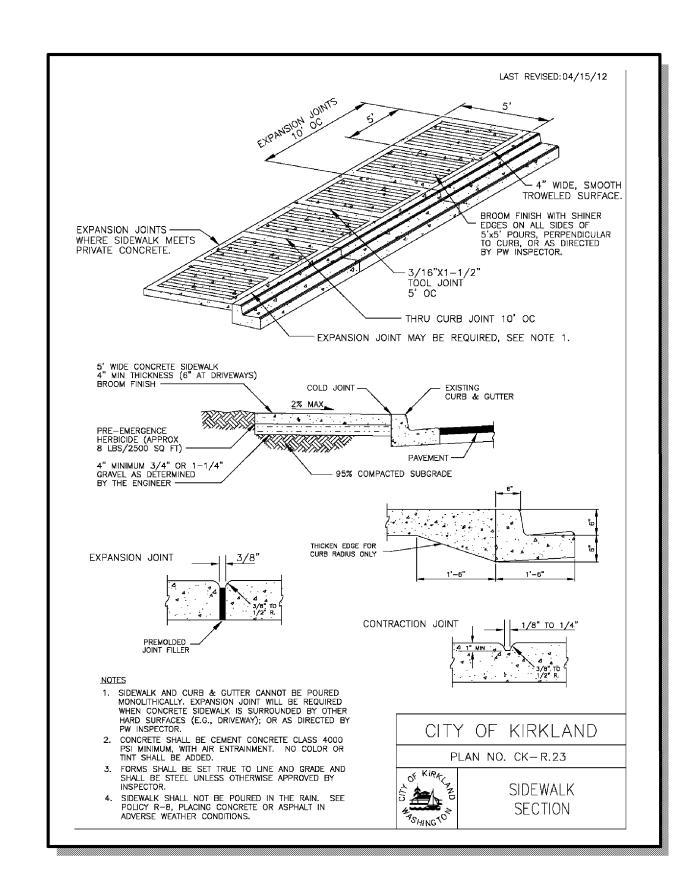
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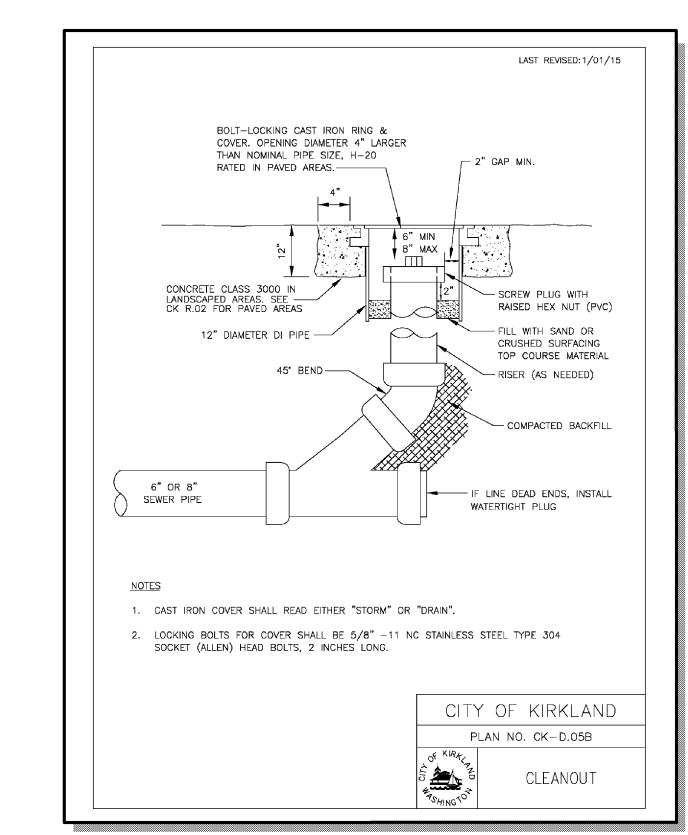
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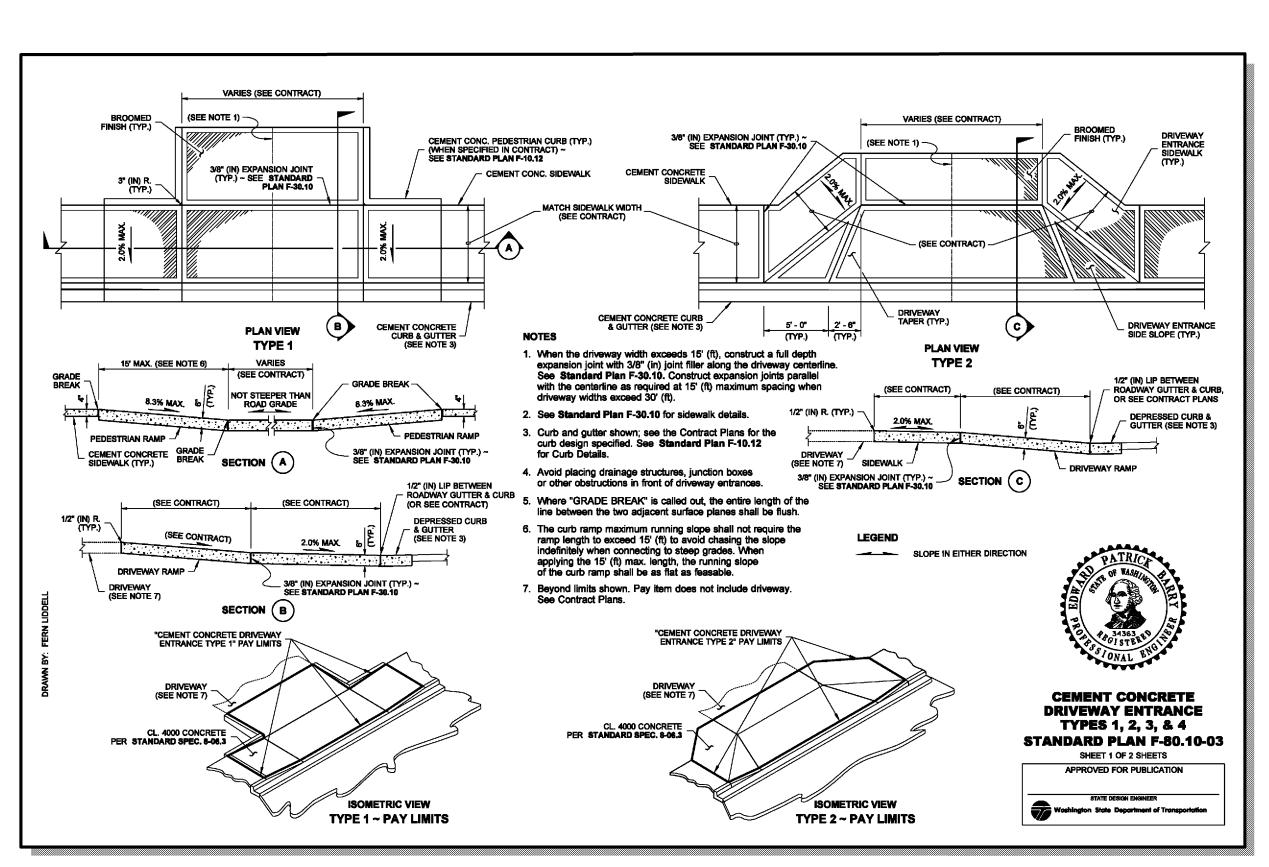
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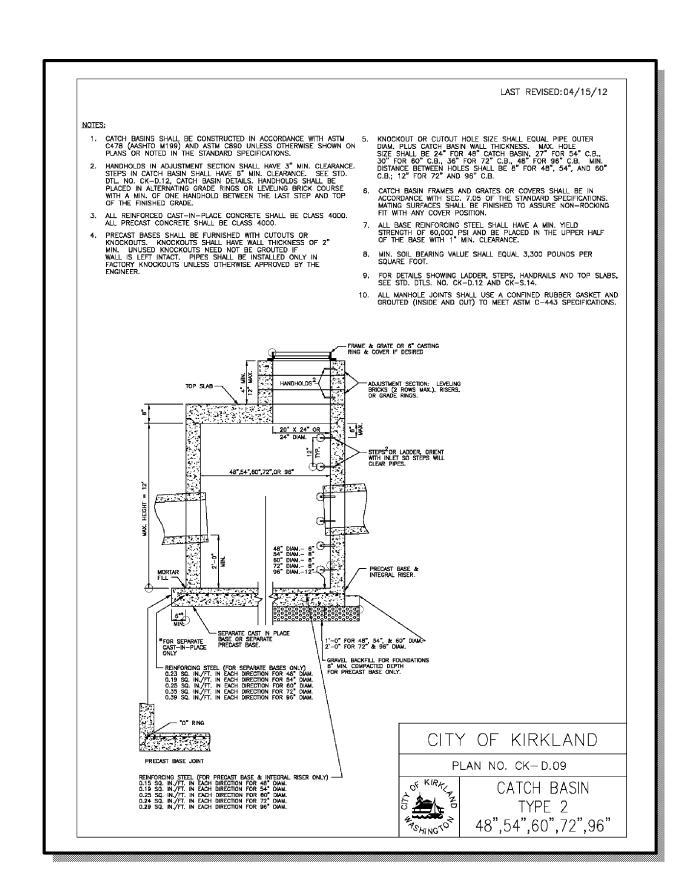


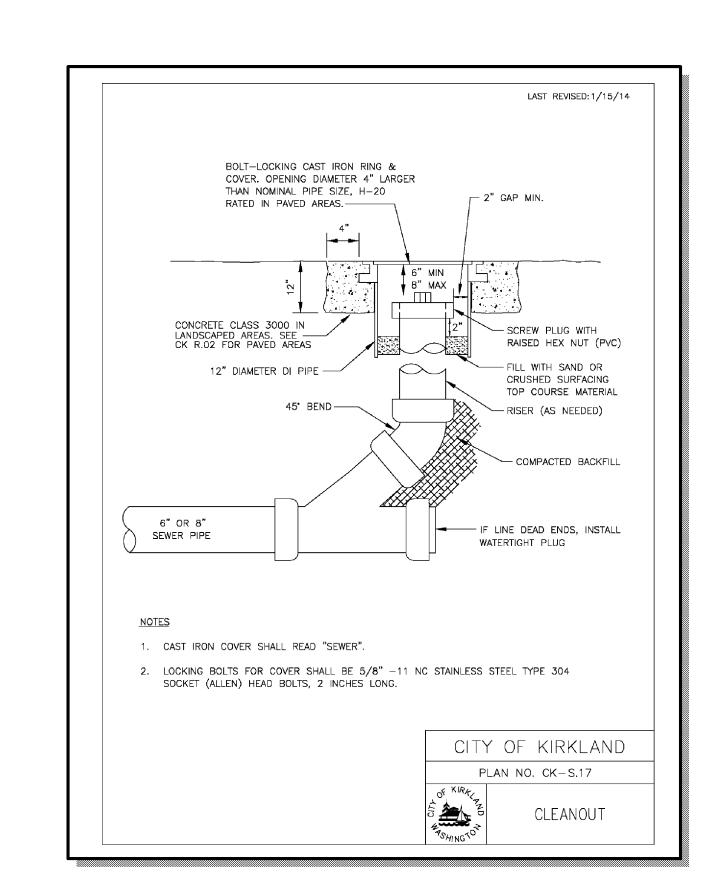




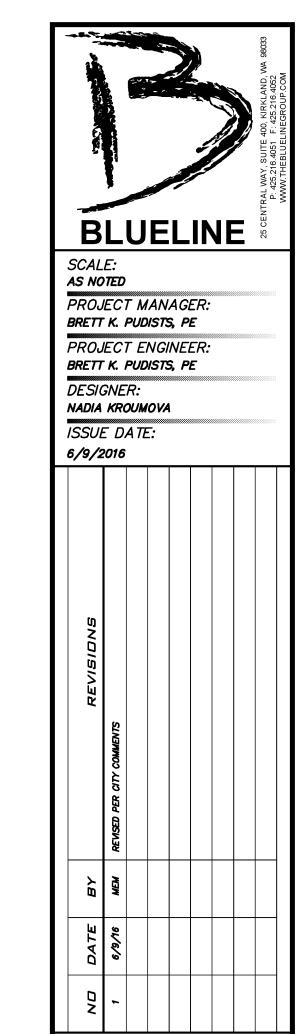




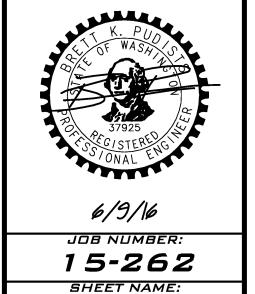




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DATE: 07/11/2016

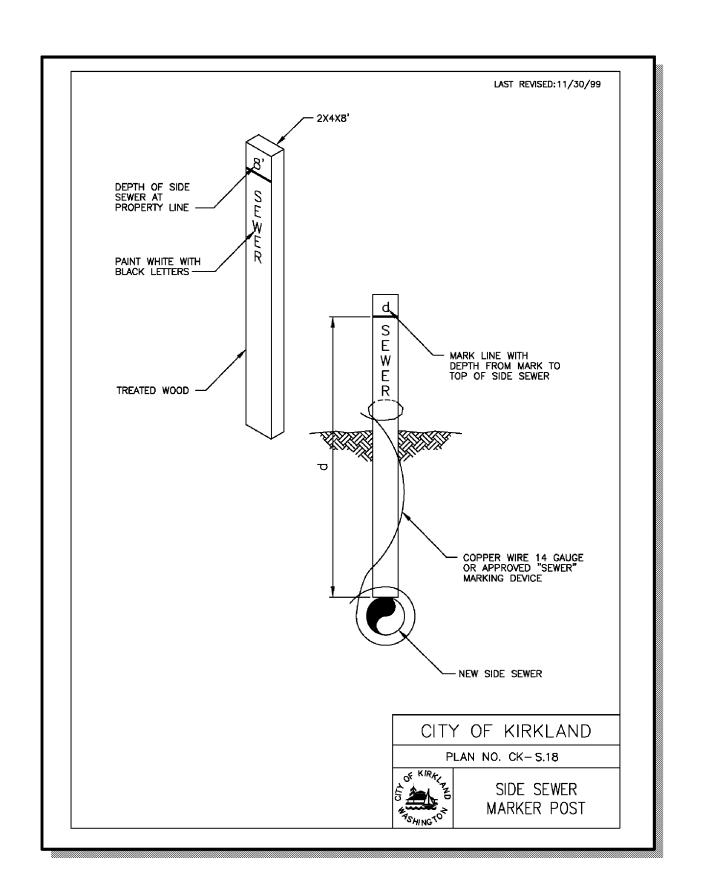


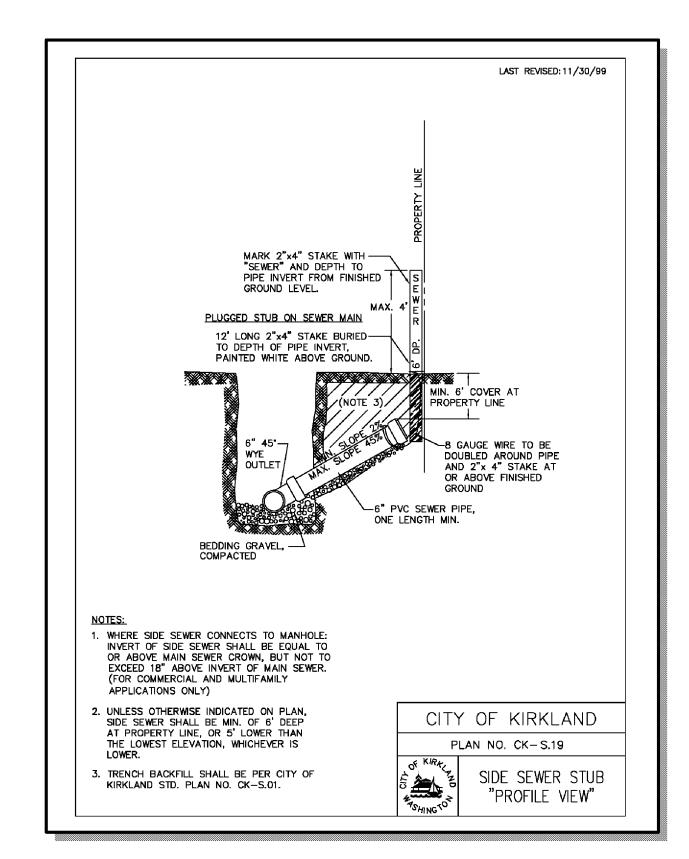
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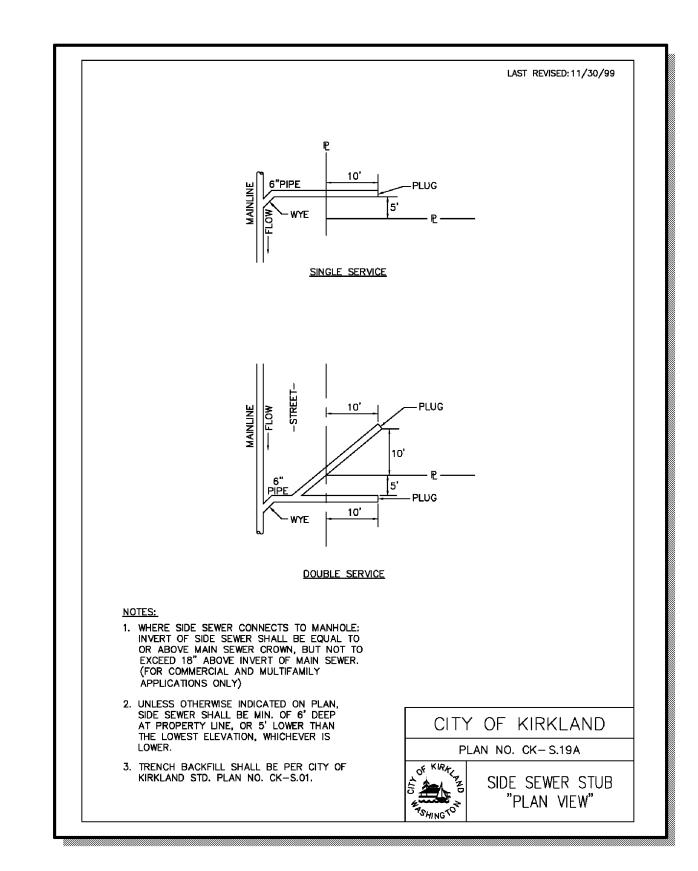


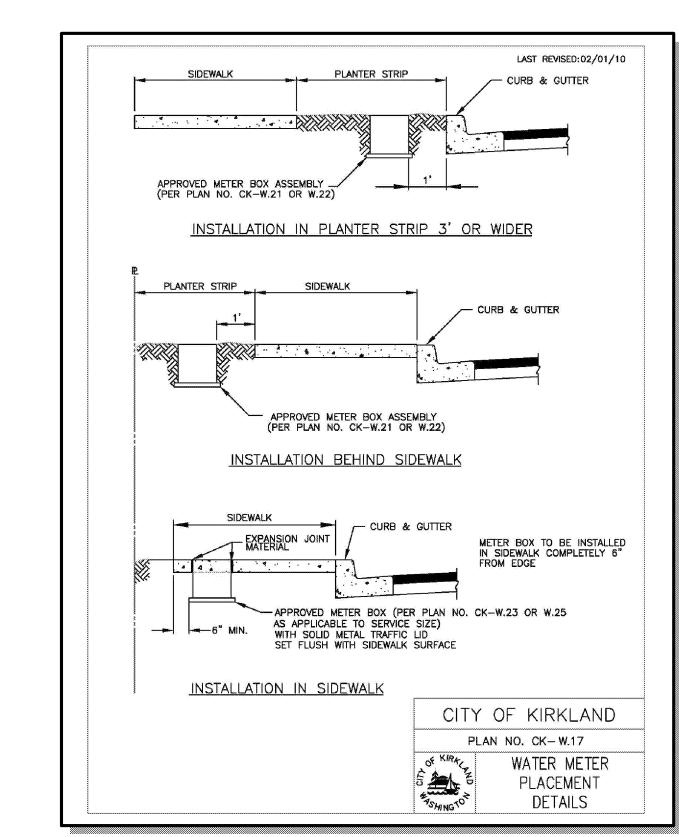
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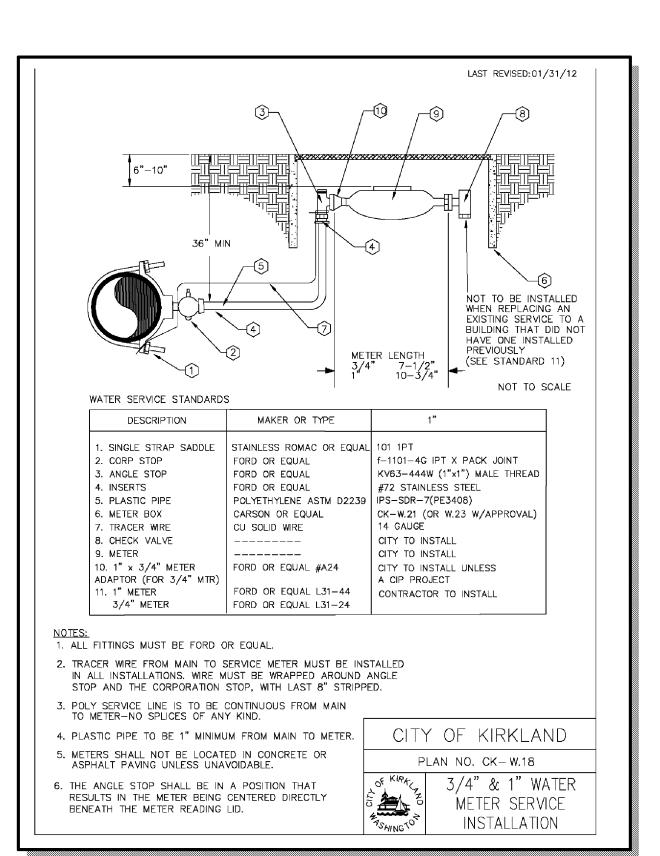
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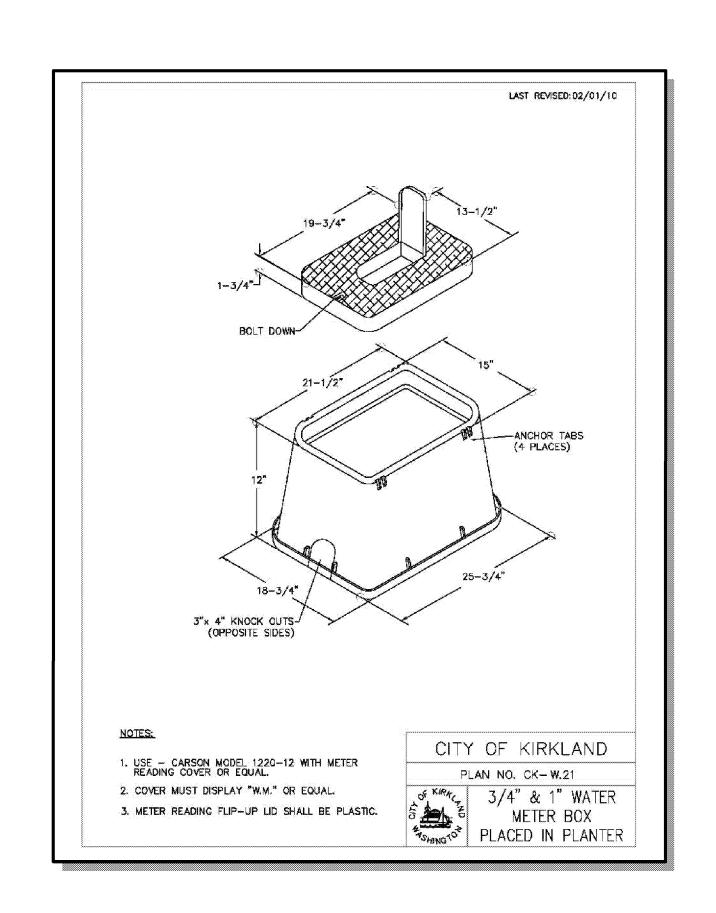


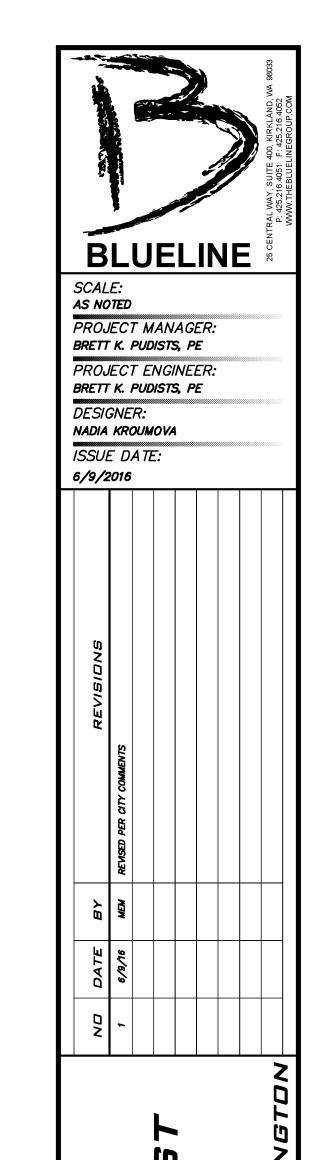


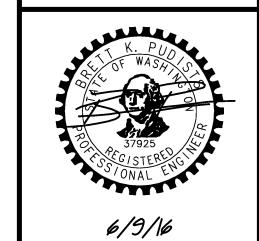












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SHEET NAME: DT-O2

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